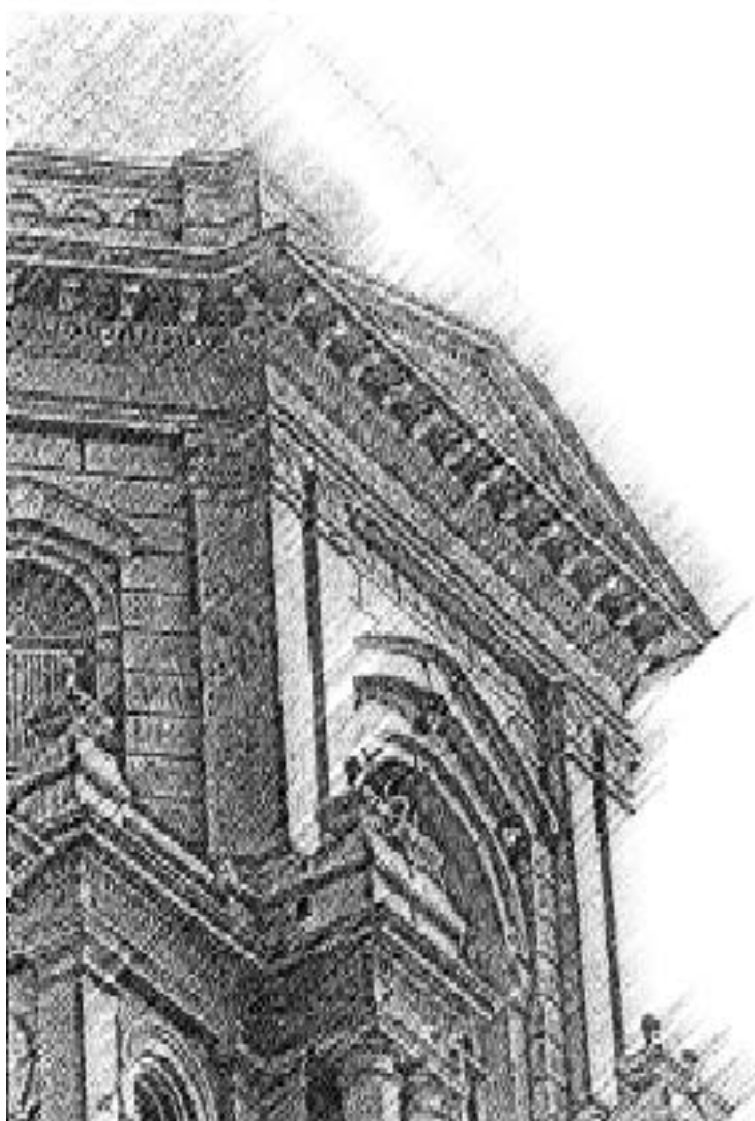


# Notre Dame Report



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# Faculty Notes

## Honors

**Jeffrey Bergstrand**, professor of finance, was a visiting scholar at the Ifo Institute in Munich, Germany April 7–23, 2008.

**Agustín Fuentes**, the O'Neill Associate Professor of Anthropology and Flatley Director of the Office of Undergraduate and Post-Baccalaureate Fellowships, was named a research affiliate of the Washington National Primate Research Center.

**Ralph McNerny**, the Grace Chair in Medieval Studies, was awarded the inaugural Rev. James V. Schall, S.J., Award for Teaching and Humane Letters at the April 10, 2008 Tocqueville Forum on the Roots of American Democracy conference.

**Catherine Perry**, associate professor of French and Francophone studies and fellow of the Nanovic Institute and the Kroc Institute, was elected to the Francophone Literatures and Cultures Division of the Modern Language Association, for a five-year term (2008–12).

**Karen E. Richman**, director of Migration and Border Studies, Institute for Latino Studies, was appointed to the board of the Society for the Anthropology of Religion, American Anthropological Association, in November 2007.

**Donald E. Sporleder**, professor of architecture emeritus, was elected a member of the board of the United Religious Community of St. Joseph County, on May 1, 2008. Sporleder also serves as a member of the Community Advisory Committee with the Indiana Dept. of Transportation on the new U.S. 31 Project, Plymouth to South Bend, and was appointed in November 2007 as representative of the St. Joseph County Chapter, Izaak Walton League.

**Anthony M. Trozzolo**, the Huisking Professor Emeritus of Chemistry, was awarded the 2008 UNICO National Marconi Science Award, which honors Italian American scientists who have made significant contributions to the field of science.

## Activities

**J. Douglas Archer**, librarian, presented "Law for Indiana Librarians—in a Nutshell" at the Indiana Library Federation spring conferences of District 1, South Bend, April 22, 2008, and District 3, Albion, April 24.

**Jeffrey Bergstrand**, professor of finance, presented "Estimating the Effect of Free Trade Agreements on Trade Flows using Matching Econometrics," (written with S. Baier) at the International Economics and Finance Society meetings, New Orleans, Jan. 6, 2008; "Gravity Redux: Structural Estimation and Comparative Statics under Asymmetric Bilateral Trade Costs," written with P. Egger and M. Larch, at the Univ. of Innsbruck, Austria, April 9; and "Brain Exchange: Economic Determinants of Two-Way International Trade, Foreign Direct Investment, and Skilled Migration," written with P. Egger and M. Larch, at the Tinbergen Institute, Erasmus Univ., Rotterdam, The Netherlands, April 21.

**Robert R. Coleman**, associate professor, of art history, presented "Ferdinando Borromeo's *Accademia del Disegno* in America" at the Renaissance Society of America annual meeting in Chicago on April 4, 2008.

**Thomas Cosimano**, professor of finance, presented "Beware of Emigrants Bearing Gifts: Optimal Fiscal and Monetary Policy in the Presence of Remittances," written with R. Chami and M. Gapen, at a meeting of the Association of Private Enterprise Education, Las Vegas, Nev., April 2008; "Continuous Time One-Dimensional Asset Pricing Models with Analytic Price-Dividend Functions," written with Y. Chen and A. Himonas, at Texas A&M Univ., Dept. of Economics, in March and at Georgia State University, Dept. of Risk Management and Insurance, in May; and "Using the Perturbation Methods to Approximation Large Scale Economic Problems with Optimal Experimentation," written with M. Gapen, at the Univ. of Texas in March.

**Lawrence Cunningham**, the Rev. John A. O'Brien Chair in Theology, presented "The Tradition of Catholic Charity" to the Administrators of Catholic Charities USA at the Mendoza College of Business, Notre Dame, on March 10, 2008; and "The Bishop as Martyr" at the Annual Romero Day, Notre Dame, on March 17.

**Antonio Delgado**, assistant professor of physics, presented a seminar at the Univ. of Wisconsin-Madison on April 18, 2008, titled "Dynamical  $\mu$ -Term in Gauge Mediation."

**E. Jane Doering**, associate professional specialist, concurrent assistant professor of College Seminar, and executive coordinator of the Teachers as Scholars Program, gave an invited talk, "*La justice, une vertu surnaturelle*," at the international colloquy, "Simone Weil's Thought and the Encounter Among Cultures" that met at the Pontificia Universidade Catolica do Rio de Janeiro, Brazil, in August 2007.

**Michael Driscoll**, associate professor of theology, presented a talk on "St. Pierre de Solesmes: Prosper Gueranger and the Liturgical Movement" in the Angers Study Abroad Program, Notre Dame, on April 1; invited lectures, "What Is This Place? The Rapport Between Liturgy and Architecture" and "Liturgy as An Embodied Experience" at St. Paul's Newman Center, Laramie, Wyo., April 2–3; and the keynote lecture "Liturgy and the Shaping of Catholic Identity," workshops on "Sing to the Lord: Music in Divine Worship," "SCAP and Catholic Identity," and "*Sacramentum Caritatis*," at the Federation of Diocesan Liturgical Commissions (FDLC Region 12) 2008 spring meeting, in Helena, Mont., April 20–May 1.

**Rev. Virgilio P. Elizondo**, the Notre Dame Chair in Pastoral and Hispanic Theology and fellow of the Kellogg Institute and the Institute for Latino Studies, was a panelist in an immigration forum at the Univ. of Nevada at Las Vegas titled "The Role of the Church in Immigration" on Jan. 17, 2008; served on a doctoral jury for Loyola Univ. in Chicago on Jan. 23; presented "Reading the Bible in Context of Popular Piety: The importance of scripture in Hispanic Catechesis" for the U.S. Bishops symposium on the Bible held at St. Francis Convent, Feb. 12; and presented "*Soy Catequista*: The

Dignity of the Catechist” to the Los Angeles Religious Education Congress, Feb. 29.

**Agustín Fuentes**, the O’Neill Associate Professor of Anthropology and Flatley Director of the Office of Undergraduate and Post-Baccalaureate Fellowships, gave the plenary luncheon presentation titled “Are We Biological Anthropologists Yet? Contemplating Washburn’s *New Physical Anthropology* in 2008” at the 77th annual meeting of the American Association of Physical Anthropologists, Columbus, Ohio, April 11, 2008.

**Patrick M. Hare**, professional specialist in the Radiation Laboratory, presented the poster “Temperature Dependence of the OH Radical Absorption Spectrum in Water” at the ACS national meeting, New Orleans, April 6–10, 2008. Coauthors of the poster were **Ireneusz Janik**, research assistant professor in the Radiation Laboratory; **Daniel M. Chipman**, professional specialist in the Radiation Laboratory and concurrent professor of chemistry and biochemistry; **Ian Carmichael**, professor and director of the Radiation Laboratory; and **David M. Bartels**, professional specialist in the Radiation Laboratory and concurrent professor of chemistry and biochemistry.

**J. Christopher Howk**, assistant professor of physics, presented “Are Highly Ionized High Velocity Clouds Extragalactic?” at the conference “Galaxy Formation and Evolution as Revealed by Cosmic Gas” at the Univ. of California, Irvine, April 17–19, 2008.

**Maxwell E. Johnson**, professor of liturgical studies, presented “The Holy Spirit and Lutheran Liturgical-Sacramental Worship,” for a Yale Institute of Sacred Music/Divinity School Conference, “The Spirit in Worship and Worship in the Spirit,” Feb. 21–24, 2008.

**Prashant V. Kamat**, professor of chemistry and biochemistry, senior scientist in the Radiation Lab, and concurrent professor of chemical and biomolecular engineering, presented “Nanostructure Architectures for Light Energy Conversion” as part of the “Physical Chemistry Seminar Series” at the Univ. of Washington, Seattle, on April 23, 2008; and “Nanoscience Opportunities for Light Energy Conversion” at a seminar for the Chemical Engineering Dept. at

Carnegie Mellon Univ., Pittsburgh, Pa., on May 1.

**Barry Keating**, the Jesse H. Jones Professor of Finance, presented “Statistical Techniques Used in New Product Forecasting, April 10, 2008, at Ave Maria Univ., Fla.; and “The Use of Data Mining Tools in Customer Retention” at the European Union meeting of the Institute of Business Forecasting, May 11–12, in London.

**Marya Lieberman**, associate professor of chemistry and biochemistry, presented the invited talk “Lithographic Positioning of DNSA Nanostructures on Silica” at the IRAND meeting in Snowbird, Utah, April 21–27, 2008.

**Timothy Matovina**, professor of theology and Cushwa Director of the Cushwa Center for the Study of American Catholicism, presented the invited lecture “Our Lady of Guadalupe: Faith, Theology, and Tradition” at the Pontifical College Josephinum, Columbus, Ohio, in April 2008; an invited presentation on Latino religion and symposium conversation on “Guadalupe and Her Faithful” at the “American Religious History Symposium” at Princeton Univ., May 1; four workshops on “*Soy Catequista*” (in English and Spanish) to the Religious Education Congress of the Archdiocese of Los Angeles in March; “Living the Sacraments in a Culturally Diverse Church,” workshops given to the Ministry Formation Institute of the San Bernardino Diocese, in March; “Theology and Immigration: Pastoral and Social Response” and “*Nuestra Señora de Guadalupe: Patrona de América*” at Ohio Dominican College, Martin de Porres Center, and the Catholic Office of Latino Ministry of the Diocese of Columbus, Ohio, in April; and “Latinos in the U.S. Catholic Church,” a keynote presentation to the “Symposium for Parish Leaders” of the Diocese of Gary, Ind., also in April.

**Ralph McNerny**, the Grace Chair in Medieval Studies, presented “There Was a Man! On Learning to Be Free” at Georgetown Univ., Washington, D.C.

**Juan Migliore**, professor of mathematics, presented the invited talk “Extending (and Not Extending) a Theorem of Gaeta” at the conference on Algebraic Geometry and Commutative Algebra (a celebration of R.

Hartshorne’s 70th birthday) on April 11, 2008, at the Univ. of Illinois at Chicago.

**Kenneth Milani**, professor of accountancy, presented “Bush’s Tax Trimming: The Blessings and the Blemishes,” to the Bradley University chapter of Beta Alpha Psi and Notre Dame Alumni Association, Hesburgh Lecture, Peoria, Ill., on May 1, 2008.

**Peter R. Moody Jr.**, professor of political science, was a discussant in “Dueling Tianxias: East Asian Constructions of Self and Other and the (Im)Possibility of Resistance” at the “Midwestern Political Science Conference,” Chicago, April 3, 2008, where he chaired the session on “Driving Forces of China’s New Diplomacy.”

**Catherine Perry**, associate professor of French and Francophone studies and fellow of the Nanovic Institute and the Kroc Institute, gave the invited paper, “Contemporary Issues in Francophone Novels,” at the annual meeting of the Indianapolis Alliance française, Butler Univ., May 4, 2008.

**Gabriel Said Reynolds**, assistant professor of Islamic studies and theology, presented “Abraham the Gentile” at the American Oriental Society Conference in Chicago on March 17; and “On the Qur’anic Term Hanif,” *Frhe Islamgeschichte und der Koran*, at the Institut zur Erforschung der frhen Islamgeschichte in Otzenhausen, Germany, March 14.

**Karen E. Richman**, director of Migration and Border Studies, Institute for Latino Studies, delivered the invited lecture “A More Powerful Sorcerer: Conversion, Capital and Haitian Transnational Migration” to Wesleyan University’s Center for the America’s annual America’s Forum “Spectral Histories, Depraved Economies, and the Poetics of Predation in the Afro-Atlantic World” on April 18, 2008.

**Deborah L. Rotman**, assistant professional specialist and director of undergraduate studies in anthropology, was a discussant for the “Women Mentoring Women” workshop at the invitation of the Council on the Status of Women in Archaeology at the annual meeting of the Society for American Archaeology, Vancouver, British Columbia, March 26–30; presented an invited paper, “More than Public or Private: Gendered Social Relations in Deerfield, Massachusetts,” at the symposium

"Archaeology in Western Massachusetts: A Multi-Decade Overview" for the Northeast Anthropological Association's 48th annual meeting, Amherst, March 7–9; "The Fighting Irish: Nineteenth-Century Immigrant Experiences in South Bend, Indiana," an invited paper, for the symposium "The Irish Experience in America: Developing an Analytical Discourse of Diaspora and Transnationalism," organized by S. Brighton for the annual meeting of the Society for Historical and Underwater Archaeology, Albuquerque, N.M., Jan. 9–12; and invited executive sessions "First Rites: Innovative Undergraduate Research in Anthropology" and "Emerging Scholars: Innovative Graduate Student Research in Anthropology," both organized with **Agustin Fuentes**, associate professor of anthropology, Flatley Director of the Office for Undergraduate Fellowships, and fellow of the Kroc Institute, Center for Social Concerns, and Institute for Latino Studies, at the annual meeting of the American Anthropological Association, Washington, D.C., Nov. 28–Dec. 2, 2007.

**Ronald J. Sakal**, professional specialist in architecture and executive director of the Center for Building Communities, presented the Center for Building Communities' proposals for redeveloping downtown Benton Harbor, Mich., to local officials, developers, consultants, and activists on May 2, together with **Paula Bodnar**, visiting associate professional specialist in art; and **Sallie Hood**, associate professor of architecture and CBC director of design.

**Julia Adeney Thomas**, associate professor of history, presented "Not Art, Not Documentary, but Politics: Japan's Postwar Photography" at the Univ. of Binghamton, N.Y., April 16, 2008; was a discussant on the Association of Asian Studies panel on "Life on the Margins in 1950s Japan," with P. Siegenthaler, K. Brandt, L. McLaughlin, and J. Jesty, in Atlanta, on April 6; and presented "Not Art, Not Documentary, but Politics: Japan's Postwar Photography" for the Dept. of History, Amherst College, April 25, and "The Exquisite Corpse and Korea's DMZ" at the "Modern Japanese History Workshop," hosted by Amherst College, on April 26.

**Rev. Oliver F. Williams**, C.S.C., director of the Center for Ethics and Religious Values in Business, and fellow of the Kroc Institute for International Peace Studies, presented

"The Global Compact: Is Peace Through Commerce Feasible?" to the conference on "Globalisation and Economic Justice" at the Univ. of Stellenbosch, Feb. 19, 2008; presented "The United Nations Millennium Village Concept" to the conference on "The Global Compact in Africa," April 10; addressed the Anglo-Gold Executive Development Program on Global Corporate Social Responsibility, UCT, Feb. 28; and addressed the AIM Program at UCT in Business, Government and Society on "The Changing Role of Business in Society," April 7.

**Robin Darling Young**, associate professor of theology, presented "The Influence of the Life of Mashtots by Koriwn on the Portrait of Gregory the Illuminator according to the Historian Agat'angelos," the "Lenten Lecture Series" concluding lecture, March 14, 2008, at Sts. Sahag and Mesrop Armenian Church, in Philadelphia.

## Publications

**J. Douglas Archer**, librarian, contributed "Old Story, New Twist" to *Focus on Indiana Libraries* 62, No. 4 (2008): 12; and "Licensing of Indiana Book Stores," *ibid.*, No. 5: 11.

**Dinshaw S. Balsara**, associate professor of physics, published "Simulating Anisotropic Thermal Conduction in Supernova Remnants I: Numerics and the Evolution of Remnants" with postdoctoral research associate **D.A. Tilley** and assistant professor of physics **J. Christopher Howk** in the *Monthly Notices of the Royal Astronomical Society* 386 (2008): 627–41; and "Simulating Anisotropic Thermal Conduction in Supernova Remnants II: Implications for the Interstellar Medium" with student **A.J. Bendenelli**, **D.A. Tilley**, student **A.R. Massari**, and **J. Christopher Howk**, *ibid.*: 642–56.

**Jeffrey Bergstrand**, professor of finance, published "Do Economic Integration Agreements Actually Work? Issues in Understanding the Causes and Consequences of the Growth of Regionalism," with **S. Baier**, **P. Egger**, and **P. McLaughlin**, *The World Economy* 31, No. 4 (April 2008): 461–97.

**Ian Carmichael**, professor and director of the Radiation Laboratory, published

"Oligosaccharide Trans-Glycoside  $^3J_{\text{COCC}}$  Karplus Curves are Not Equivalent: Effect of Internal Electronegative Substituents" with graduate student **Hongqiu Zhao** and **Anthony S. Serianni**, professor of chemistry and biochemistry, *J. Org. Chem.* 73, No. 8 (2008): 3255–7.

**Robert R. Coleman**, associate professor of art history, published *The Art of Disegno: Italian Prints and Drawings from the Georgia Museum of Art* exhibition catalog with **B. Bohn** (Athens, Ga.: Georgia Museum of Art, 2008).

**Lawrence Cunningham**, the Rev. John A. O'Brien Chair in Theology, published "Religion Book Notes" in *Commonweal* cxxxv (March 28, 2008): 25–27; "A Quirky Look at Catholicity" in *Church* 29, No. 1 (Spring 2008): 5–8; and "Religion Book Notes," *Commonweal* cxxxv (Feb. 29): 36–40.

**John Dunne**, the O'Brien Chair of Theology, published *Deep Rhythm and the Riddle of Eternal Life*, which contains a CD of his *Symphony of Songs*, (Notre Dame: Notre Dame Press, 2008).

**Rev. Virgilio P. Elizondo**, the Notre Dame Chair in Pastoral and Hispanic Theology and fellow of the Kellogg Institute, and Institute for Latino Studies, published "Aparecida: Collaborative Theology: Latin America, Bishops, the Pope and the Poor" in *Commonweal* (Jan. 31, 2008).

**Georges Enderle**, the Ryan Professor of International Business Ethics and Kellogg and Nanovic Institutes Fellow, published a book chapter (in Chinese) on "A Market Perspective and an Ethical Perspective on the Fairness of the Renminbi-Dollar Exchange Rate" with **Roger D. Huang**, the Meyer Chair of the Dept. of Finance, in *Global Investment Management in Freedoms and Responsibilities for Business in China: Governments, Corporations, and Civil Society Organizations*, edited by **X. Lu** and **D. Rossouw** (Shanghai: Shanghai Academy of Social Sciences Press, 2008): 52–72.

**Laura Holt**, deputy director of the London Undergraduate Program, published "A Survey of Recent Work on Augustine," *Heythrop Journal* 49, No. 2 (March 2008): 292–308.

**Sallie Hood**, associate professor of architecture and the Center for Building

Communities director of design, illustrated a seasonal card that was included in the Art Institute of Chicago's holiday catalog. This was her second illustration to be chosen for an AIC holiday card.

**Maxwell E. Johnson**, professor of liturgical studies, published "Sub Tuum Praesidium: The Theotokos in Christian Life and Worship Before Ephesus," *Pro Ecclesia* XVII, No. 1 (winter 2008): 52–75.

**Jay A. LaVerne**, professional specialist in the Radiation Laboratory and concurrent research professor of physics, published "Gas Production in the Radiolysis of Poly(Vinyl Chloride)" with Radiation Lab staff member **Eduardo A. Carrasco-Flores**, lab technician **M.S. Araos**, and visiting scholar **Simon M. Pimblott**, *J. Phys. Chem. A* 112, No. 15 (2008): 3345–51.

**Juan Migliore**, professor of mathematics, published the paper "On the degree Two Entry of a Gorenstein h-Vector and a Conjecture of Stanley" (written with U. Nagel and **Fabrizio Zanello**, visiting assistant professor of mathematics) in the *Proceedings of the American Mathematical Society* 136, No. 8 (2008): 2755–62.

**Kenneth Milani**, professor of accountancy, published a monograph, "Tax Tips for the 2008 Graduate," with J.J. Connors; and a weekly column, "Tax Talk," with C. Renshaw, *South Bend Tribune* (December–April 2008).

**Catherine Perry**, associate professor of French and Francophone Studies and fellow of the Nanovic Institute and the Kroc Institute, published the invited preface to a collection of poems and photographs: *Lescout, Iléna. Ballades solitaires*. Loner's Ballad. Trans. Dana Badulescu. (Paris: Gunten, Espace Livres, 2008): 1–2.

**Karen E. Richman**, director of Migration and Border Studies, Institute for Latino Studies, published "Innocent Imitations? Mimesis and Alterity in Haitian Vodou Art" in *Ethnohistory* 55, No. 2 (April 2008): 203–28.

**Deborah L. Rotman**, assistant professional specialist and director of undergraduate studies in anthropology, published "Urban Archaeology at the Site of the Argosy Casino: The Materiality of Social Change in the Canal Town of Lawrenceburg, Indiana" with R. Berle Clay in *Historical Archaeology*

42, No. 1 (2008): 46–69; "Rural Education and Community: Historical Archaeology of the Wea View Schoolhouse No. 8, Wabash Township, Tippecanoe County, Indiana" in *Fewer Possessions than Regulations: The Historical Archaeology of Institutional Life*, A. Beisaw and J. Gibb, ed. (Tuscaloosa: Univ. of Alabama Press, 2008): 78–95; and "Irish Immigrant Experiences at the Fogarty Residential Site (12SJ438), South Bend, St. Joseph County, Indiana: Results of the 2007 Archaeological Field School" with students **Lauren Holcomb**, **Casey**

**McNeill**, **Ryan Black**, **Jillian Brems**, **Besty Dilla**, **Niamh Keating**, **Thanh Le**, **Gina Montenegro**, **Laura Plis**, and **Katie Shakour**, in *University of Notre Dame Archaeological Research Publication* 07-01 (2008);

**James L. Wittenbach**, professor of accountancy, published "Taking Advantage of the Reduced Maximum Exclusion on the Sale of a Principal Residence" in *TAXES-The Tax Magazine* 86, No.5 (May 2008): 39–44 and 55–56.

## Administrators' Notes

### Activities

**Miguel A. Franco**, staff psychologist and concurrent assistant professor of psychology, presented a program to Fellows at the Sports Medicine Institute of Memorial Hospital in South Bend titled "How to Implement the Services of a Sport Psychologist: An Introduction to Different Sport Psychology Services and How They are Delivered" on April 18, 2008; and, on April 25, presented "The Role of a Sport Psychologist in the Treatment of Exercise Addiction and Eating Disorders in Elite-Level Athletes," also to SMI Fellows.

### Publications

**Thomas Harvey**, director of the Master of Nonprofit Administration program, served as publication historian and contributor to *Together We Are So Much More: A Living History of Catholic Health East* (Signature Book Printing, 2007).

# Documentation

## University Committee on Women Faculty and Students

University of Notre Dame

Meeting of Friday, February 29, 2008

10:00 A.M. – 12:30 P.M., Room 500, Main Building

**Members present:** Amy Barrett, Laura Carlson, Susan Dunn, Alyssa Gillespie, Amber Handy, Sallie Hood, Sharon Hu, Michael Lundin, Jessica Kayongo, Susan Ohmer, Don Pope-Davis, Carol Tanner

**Members absent:** Angie Chamblee, Mary Rose D'Angelo, Lauren Gamboa, Katie McHugh, Kevin Misiewicz

**Permanent Invited Guests present:** Jill Bodensteiner, Associate Vice President and Senior Counsel, Office of General Counsel; Jannifer Crittendon, Director, Office of Institutional Equity; Catherine Pieronek, Director Academic Affairs and Women's Engineering Program, Dean's Office, College of Engineering; Heather Rakoczy, Director, Gender Relations Center; Kathryn Lam, Recorder

Prof. Ohmer welcomed members and informed them that the primary purpose of the meeting was to look at the initial reports on women faculty recruitment and retention created by the three subcommittees. By working together to identify gaps and overlaps in the recommendations, the committee can help determine if there is any more work to be done before the drafting of the final report.

**1. Approval of Minutes:** After clarification from Ms. Kayongo, the committee unanimously approved the minutes for the meeting of November 28, 2007.

**2. Mapother Lunch Nominees:** [The Mapother Lunch Series is intended to aid communication between the faculty and the administration to help female faculty thrive and advance at Notre Dame. The lunches are attended by the Provost and two women faculty. The committee's role is to select faculty and schedule the lunches.]

Prof. Ohmer said that the first meeting in the lunch series was attended by Profs. Teresa Ghilarducci and Valerie Sayers. Prof. Ohmer said that she was informed by the professors that they felt that their concerns were heard and found the lunch to be a positive experience. Prof. Ohmer then asked members to nominate junior, untenured faculty to attend the lunch scheduled in April.

### 3. Review of Recruitment Subcommittee

**Report:** As chair of the subcommittee on recruitment, Ms. Crittendon said that she would like to applaud the members of her subcommittee for their lively discussions. She found their meetings to be a great forum to exchange information and to better understand the perspective of other members of the campus community. She added that the subcommittee is very enthusiastic about its charge.

Ms. Crittendon then explained how the subcommittee arrived at its recommendations. Beyond the discussions at its meetings, the subcommittee reviewed the University's Affirmative Action Plan and conducted a benchmarking study. They looked at benchmarks both internal and external to the University. She said that Sr. Dunn contacted some departments on campus and then identified particular departments that "did good work" in regards to women faculty recruitment. The subcommittee looked at the Notre Dame Toolkit and compared it to other institutions' toolkits. They reviewed data from the Office of Institutional Equity (OIE) to determine if women were represented in the applicant pool during job searches.

Ms. Crittendon said that the subcommittee organized its recommendations into four categories: policy, social, cultural, and political. The recommendations centered around standardizing the hiring process, training search committees, participating in year-round recruiting, providing resource packets to job candidates, tracking top women at other institutions, inviting guest lecturers and visiting professors, conducting

assessments, emphasizing accountability, developing an office for diversity, and garnering visible and verbal support from the University's administrators.

In response to Ms. Kayongo's inquiry as to what individual incentives the subcommittee considered, Ms. Crittendon said that they had considered hiring assistance from the Provost as well as traditional recognition and award efforts. Recognizing people publicly can have a great impact.

Ms. Bodensteiner shared her thoughts on the subcommittee's recommendations. She commented that it is important to understand what is already taking place across campus. She mentioned that Brandon Roach, Executive Assistant to the Provost, is working to ensure that the language on job advertisements speaks to the University's mission and its diversity initiatives. She suggested that the committee invite Mr. Roach to a future meeting to discuss these efforts. She thinks that it is important to recognize the decentralization of the hiring decisions at the University. She said that she has heard of other lecture series that already exist on campus. Prof. Hu and Prof. Ohmer commented that lecture series already take place in Engineering and Arts and Letters. In regards to the creation of a diversity office, Ms. Bodensteiner pondered if the same objective might be accomplished more efficiently by adding an additional person to the OIE. Ms. Crittendon, Director of OIE, agreed that it may be advantageous to add a diversity position to an already existing office. Prof. Gillespie suggested a "Provost level appointment" be responsible for all aspects of equity, including overseeing a more in-depth study of the University and collecting data. Ms. Bodensteiner said that she thinks Prof. Pope-Davis already serves that function in the Office of the Provost. Prof. Ohmer said that Prof. Pope-Davis has oversight of faculty affairs. She then asked Ms. Crittendon and Ms. Bodensteiner what they saw as the benefits of adding an assistant provost to oversee these types of issues versus adding an employee to the OIE.

Ms. Crittendon described a report that surveyed 141 institutions about the use of a chief diversity officer (CDO) position. The report included a section about the myth that this person has to be on the tenure track to be effective. Only approximately 38% of those surveyed have a model where

the CDO is on the tenure track. Ms. Crittendon said that she would share the report with the committee. Ms. Crittendon and Prof. Ohmer agreed the position should be very visible and prominent and report to the Provost or President.

Prof. Barrett said that the Law School CAP has both women and minorities represented on the committee. However, they decided against naming one of the members as an advocate of either women or minorities because of the concern that it would 1) place too great a tax on women and minorities and 2) potentially marginalize the person because they might be seen as only an advocate. Prof. Gillespie said, and Ms. Crittendon agreed, that conceivably any person on a search committee could be appointed as the diversity advocate. Ms. Bodensteiner offered that perhaps an advocate could exist at the college level as a "college diversity officer." Prof. Ohmer suggested that the idea of a diversity advocate could be incorporated in the toolkit.

Prof. Ohmer then mentioned the desire for quality of life issues to be included on the Provost Office website. She discussed this idea with Brandon Roach and said that he understood that these issues are important to the UCWFS. She said that evaluation is an important component of the subcommittee's recommendations and asked what structure should be established. Ms. Crittendon said that there are a couple of models that could be used for assessment. Last year the committee suggested that a committee, similar to the UCWFS, could provide an assessment on the University. Ms. Crittendon recommended that a centralized office (perhaps one in which the chief diversity officer resides) perform the assessment.

Prof. Ohmer informed members that Arts and Letters currently requires its search committees to report on the inclusion of Catholic candidates to the dean before final candidates can be brought to campus. She would like equal consideration for women and minorities. She worries that doing an assessment at a centralized location (such as an Assistant Provost level) would be too late affect change. Ms. Bodensteiner concurred and said that the recommendation should be to assess early and often. Ms. Crittendon said that the subcommittee liked UCLA's

toolkit and that it included different levels of intervention and assessment.

Prof. Carlson discussed the fact that the hiring process at the University is decentralized. If information and assessment takes place in a centralized office, good communication between these two parts would be necessary. Prof. Ohmer underscored the importance of transparency and the availability of information.

Prof. Gillespie asked for clarification on the ability of the committee to initiate conversation with job applicants about the availability of various resources on campus and in the local community (e.g., spousal hiring, child care, etc.). Ms. Bodensteiner said that no question is illegal, but that some questions can lead to sexual discrimination. She thinks the issue can be delicately handled by the committee, but advises that potential discrimination issues be considered.

Prof. Gillespie suggested that the University assessments include an online survey of women and minorities who were extended offers for faculty positions at the University. The survey should be sent to all candidates, including those who accepted offers and those who declined. The results of the survey could help the University understand why the candidates made their decision and help identify ways to improve.

**Women Recruitment and Retention Statistics:** Prof. Pope-Davis presented statistical data on women and minority teaching and research faculty. Some of the material was updated since he first shared the information with the committee at its October 29, 2007 meeting. His hope in sharing the data is that it will encourage conversation based on statistics rather than anecdotal information.

Prof. Pope-Davis emphasized the importance of the recommendations being developed by the committee as he anticipates them having a significant impact. He said that he is hearing a renewed commitment to these initiatives. He suggested that the committee prioritize its recommendations and to consider distinguishing between short term and long term goals. He expects a report to be submitted by the committee by the end of the Spring 2008 semester. Prof. Ohmer said that she thinks the committee has made good progress in meeting that goal and suggested that the committee

makes its recommendations by prioritizing in groups of issues. She said that she would like for the charge of the committee for the next academic year to be to encourage and monitor the carrying through of the recommendations made during the current academic year.

**Review of Student Subcommittee Report:** Ms. Handy presented a report from the student subcommittee. She distributed copies of the report to all committee members. She said that the subcommittee considered developing a survey for the student body about their perceptions on women faculty, but was told that it was not necessary. She said that undergraduate and graduate students see an impact of the low numbers of women faculty. Some female students will pursue careers in the professoriate. It is important for them to see examples and models of people like them in the profession.

Ms. Handy continued by saying that the student subcommittee saw similar problems to those identified by the retention subcommittee. One of the major initiatives she described was a student babysitting database. She explained that many students are eager to make extra money, and that there are many faculty in need of babysitting services. She then expressed a concern that in some cases there could be a conflict of interest. Ms. Bodensteiner shared her enthusiastic support of the babysitting program and said that she thinks any liability issues could be worked out. Prof. Ohmer also shared her support and suggested that a training course be required for the participating babysitters.

Prof. Ohmer said that she likes the recommendation proposed by the subcommittee related to an annual wellness survey. It would be a great mechanism for people to share their views. She commented that it is important to consider how students are affected by women faculty leaving the University.

**Review of Retention Subcommittee Report:** Prof. Ohmer provided a report from the retention subcommittee and informed members that the subcommittee divided itself into sub-subcommittees. She then explained that Prof. Pope-Davis was recently visited by a faculty member who is new to the University. The new professor is

very interested in child care programs for faculty and has researched child care offerings at peer institutions. Prof. Pope-Davis shared the research with Prof. Ohmer with the hope that it could be considered by the subcommittee and possibly be included in its recommendations.

Ms. Bodensteiner presented recommendations on salary and equity issues. She said that no formal University policy exists in regards to salary review although she thinks that the Provost's Office has been doing external (University compared to market) compensation analysis. OIE intends to begin internal (cross-departmental comparison) equity reviews every other year in response to changing federal regulations. It was recommended that guidelines regarding salaries be developed and that the best practices already in place in Arts and Letters could be shared across the University. It would be necessary to implement training for department chairs to learn how to maintain salary equity in their respective departments.

Ms. Bodensteiner proposed that an internal assessment of discretionary research funds take place on a regular basis (every two years). The assessment would help determine if there was equity in discretionary research funds across gender and race.

Ms. Kayongo commented that the types of data collected are meant to track progress into the future. It is important that once the recommended policies, procedures and guidelines are implemented, their impacts are quantified and analyzed. She stressed the importance of transparency and the need for a wide audience to be aware of the results.

Prof. Ohmer, who chaired the tenure process sub-subcommittee, outlined recommendations regarding the tenure process. The primary issue identified was the lack of consistency across departments with regard to the tenure process. Currently, annual reviews are not performed in all departments. Prof. Ohmer said that she plans to talk with Dennis Jacobs, Vice President and Associate Provost, about several initiatives that already exist to address evaluation issues. Regarding the renewal and promotion process, she emphasized the importance of accessibility to and consistency in communication of CAP documents for the

faculty members under review. The general professional development recommendations proposed includes ensuring that junior faculty have access to teaching assistants and research funds. Additionally, junior faculty should be encouraged to present their work at department colloquia in order to receive constructive comments from colleagues. The final recommendation centered on informal gender-neutral mentoring opportunities.

Prof. Ohmer adjourned the meeting at 12:35 p.m.

## Academic Council

Meeting of February 21, 2008

Mckenna Hall Auditorium

3:30 – 5:00 P.M.

**Members present:** Rev. John Jenkins, C.S.C., Thomas Burish, Donald Pope-Davis, Dennis Jacobs, Christine Maziar, Anita Allen, Panos Antsaklis, A.J. Bellia, Seth Brown, Steven Buechler, James Collins, Emily Cooperstein, Kenneth DeBoer, Cornelius Delaney, Stephen Fallon, Judith Fox, Umesh Garg, Nicole Garnett, Nasir Ghiaseddin, Peter Holland, Paul Huber, Michael Jenuwine, Colin Jessop, Peter Kilpatrick, Daniel Lapsley, Christine Loza, Joseph Marino, Stephen Molvarec, Scott Monroe, Robert Nelson, William Nichols, Thomas Noble, Patricia O'Hara, Hugh Page, Rev. Mark Poorman, C.S.C., Ram Ramanan, Mark Roche, Ann Tenbrunsel, John Welle, William Westfall, Carolyn Woo, Jennifer Younger

**Members absent:** John Affleck-Graves, Martina Cucchiara, Gaby Montero

**Members excused:** Robert Bernhard, Adam Booher, Laura Carlson, Mary Rose D'Angelo, Michael Lykoudis, Scott Van Jacob, Jennifer Warlick

**Observers present:** Kevin Barry, Kathryn Lam, Dale Nees, Brandon Roach, Don Wycliff

**Observers absent:** Harold L. Pace

**Observers excused:** Daniel Saracino

**Guests:** Carol Kaesebier, Vice President and General Counsel and Jill Bodensteiner, Associate Vice President and Senior Counsel, Office of General Counsel. [Both Ms. Kaesebier and Ms. Bodensteiner are members of the Academic Articles Working Group.]

After calling the meeting to order at 3:34 p.m., Fr. Jenkins asked Ms. Allen to offer the opening prayer.

**1. Approval of minutes:** The minutes of the January 23, 2008, meeting were unanimously approved as presented.

### 2. Completion of Academic Articles Review:

[On January 23, 2008, the Council began voting on changes to the Academic Articles proposed by the Academic Articles Working Group and members of the Council.]

Fr. Jenkins reminded the Council that *Robert's Rules of Order* would be used in the deliberations of the Academic Articles. The Council concluded its last meeting during deliberations of Article III. After an unresolved discussion about special professional faculty (SPF) titles, the matter was deferred back to the Working Group.

[Underlined parts are proposed additions to the language; [bracketed] parts are proposed deletions from it.]

### Article III, The Faculty

#### Section 1/Membership

##### Subsection (d) Special Professional Faculty

Since the Council's last meeting, the Working Group reviewed the section and proposed the amendment below. [Text in **bold** was added through discussion by the Council at today's meeting].

Members of the special professional faculty have the ranks of professional specialist, associate professional specialist, and assistant professional specialist. [(The rank of staff professional specialist also exists with the same notice periods as the assistant professional specialist, but no new appointments will be made to this rank after October 9, 1990.) Regardless of their rank, a member of the special professional faculty may additionally be designated as teaching professor, clinical professor, or professor of the practice (with the appropriate rank) if approved as set forth in this subsection (d). Special professional faculty designated as teaching professors are engaged primarily in instruction.



Special professional faculty designated as clinical professors are engaged in the instruction and supervision of students in training for professional practice. Special professional faculty designated as professors of the practice are normally engaged in teaching and in research and other creative work.

In cases initiated by an academic department, if the chairperson approves such designation after consultation with the department, the chairperson sends a written recommendation to the Dean. If the Dean approves the designation, he or she sends a written recommendation to the Provost. The Provost or the Provost's designee renders the final decision. In cases initiated by the director of a University Institute or any other academic organization authorized by the Provost to appoint special professional faculty, if the director approves such designation, the director sends a written recommendation to the Provost. The Provost or the Provost's designee renders the final decision after consultation with the appropriate academic department(s) or school(s).

Prof. Brown collaborated with the Working Group on the amendment and explained that there were three basic issues that the Working Group addressed: 1) titles, 2) chain of approval for title of SPF affiliated with an academic department, 3) chain of approval for title of SPF *not* affiliated with an academic department. He said that the Working Group felt that the use of the term 'professor' needed to be regulated in the Academic Articles. The use of titles such as curator or practicing artist, which are more of "job description-type titles," can be a matter discussed by the SPF and his/her supervisor and does not need to be included in the Academic Articles. While there was little controversy in the use of the titles 'clinical professor' and 'professor of the practice,' there was a lot of discussion about whether 'teaching professor' or 'lecturer' was preferred. In the end, the majority felt that 'teaching professor' was preferable. The second issue was intended to help clarify that the chain of approval for titles of SPF affiliated with an academic department is parallel to that of hiring process approvals (i.e., approved first by the chair of the

department in consultation with the department, then by the appropriate dean, and then by the Provost or the Provost's designee). The third issue addressed SPF who are not affiliated with an academic department (e.g., hired by an institute). Prof. Brown said that in the original draft of the revision for subsection (d), it required that SPF be members of a department. The amendment currently proposed addresses SPF who are not affiliated with an academic department and makes the chain of approval of their titles parallel to that of the chain of approval in the hiring process.

A robust discussion ensued and clarified the following points:

- It was the intention of the Working Groups that the titles also carry a rank with them. For example, someone might be designated as an assistant teaching professor if their appointment rank was assistant professional specialist. (Brown/Maziar)
- It is the expectation that not all SPF will carry an additional title. (Brown)
- Many special professional faculty members' primary responsibilities and roles at the University are pedagogical ones and their current titles, as special professional faculty do not reflect these roles. The new titles are an attempt to provide an additional title that would be understood outside of the University to enable their contributions at the University to be recognized. It is not a separate kind of tenure track. (Maziar/Fox/Woo/DeBoer)
- Although there was not unanimous agreement, the proposal was supported by the majority of SPF. (Fox)
- Representative from both art and architecture felt the amendment should make mention of 'creative work.' (Collins/Westfall)
- There was some concern that the new SPF titles and ranks create a new parallel faculty line in departments. Having one tier of faculty that is primarily directed toward teaching undergraduates and others that are teaching and research faculty would be a very significant change from Notre Dame tradition. (Delaney/Garg)

- The decision to use (or not use) the titles is at the discretion of the department. (Fox)

By voice vote, the amendment was approved.

## Article IV, Organization of the Faculty

### Section 3/Committees of the University

#### Subsection (a) The Academic Council

Prof. Brown, a standing committee chair from Faculty Senate, proposed adding the following language to the end of the first paragraph:

For purposes of eligibility to serve on committees, the five representatives of the Faculty Senate are considered elected faculty members of the Council.

Prof. Brown's rationale was that this language would help clarify the eligibility of representatives from the Faculty Senate to serve on committees. The issue is whether or not representatives from the Faculty Senate are considered "elected" faculty members, unlike the substantial number of representatives on the Academic Council who are not elected, but are on the Council by virtue of the positions they hold (e.g., deans, vice presidents, etc.). He said that faculty senators are elected by the faculty to serve on the Faculty Senate so the amendment is in keeping with the original spirit of that distinction. It has the "side bonus" of slightly increasing the pool of possible representatives eligible to serve on committees.

Prof. O'Hara explained that she opposed the amendment because she believes that when the Academic Council was restructured that there was a deliberate attempt at symmetry in the number of ex officio members and the number of elected faculty members. She said that while it is true that members of the Faculty Senate have been elected by the faculty, they are not then directly elected by the faculty to their positions as chairs of the standing subcommittees. She shared concern about how the amendment would disrupt the proportionality of representation among the colleges on the committees.

Prof. Brown responded by saying that the amendment does not affect who votes for the membership of the committee and thus does not affect the composition of the Academic Council. He said that everyone

may vote whether or not they are eligible to be elected.

Prof. O'Hara said that she thinks the Council is the one committee that is really important to the selection and review of the Provost. Therefore, the faculty who are directly elected to the Academic Council are the people who should stand in the pool as opposed to those who would be indirectly elected by virtue of their position as chairs of standing committees of the Faculty Senate.

Prof. Roche concurred with Prof. O'Hara's argument and explained that he had additional reservations because, in some cases, faculty members serving on the Faculty Senate are either the only persons willing to serve or were asked to serve by the department chairs. Because that process is less rigorous than a formal election, Prof. Roche opposes the amendment.

The above proposal amending subsection (a) failed by a vote of 16 to 23.

A discussion ensued regarding the number of student members of the Academic Council. For the record, Fr. Jenkins confirmed that currently, there are six student members of the Council. The professional schools have alternated representation each year between the law and business students. Through the discussion, the following amendments were proposed:

In addition, there are six student members: the academic commissioner of the student government, a student from the Graduate School, one[two] student alternating between[from] the law school and the business graduate programs [of professional studies,] and three undergraduates from the three Colleges not represented by the academic commissioner of the student government (with the School of Architecture considered jointly with the College of Engineering for purposes of this allocation).

By voice vote, the amendment was approved.

#### Subsection (d) The Graduate Council

Prof. Holland initiated a conversation to help clarify to whom the final sentences of subsection (d) referred. After some discussion, the amendment below was proposed.

The committee on advanced studies[group] comprising the members of the Graduate Council who are also members of the Academic Council (the six described above and any other overlap members) has the right to include items on the agenda of the Graduate Council. Decisions of the council are by majority vote and are subject to the approval of the Dean of the Graduate School. The committee on advanced studies provides an annual report of its activities to the Academic Council.

By voice vote, the amendment was approved.

Article IV was unanimously approved, as amended.

#### Article V, Procedures for Reviewing and Amending the Academic Articles

Ms. Kaesebier said that the Faculty Senate proposed adding the amendment below as the final paragraph in Article V.

Violations of the provisions of the Academic Articles (other than those covered by the appeals and grievance procedures described here) may be reported to the general counsel, who shall review the allegations and recommend to the Provost or the President appropriate action. If there is a genuine ambiguity in the relevant provisions of the Academic Articles, the general counsel shall solicit the Academic Council's interpretation of the provisions in question, as provided in Article IV, Section 3, Subsection (a).

Article V, including the amendment above, was unanimously approved.

#### Academic Articles

A motion for the Academic Articles Working Group to address consistency of syntax, elegance and clarity of language in the Articles was passed.

#### 3. Centers and Institutes Guidelines

**Amendment:** Prof. Pope-Davis reminded the Council that at its December meeting, new guidelines for Centers and Institutes were adopted, and a discussion regarding how the document would be amended took place. He proposed amending the document by adding the following language:

The Provost may propose amendments to these Guidelines by submitting such amendments to the Executive Committee of the Academic Council. The Executive Committee may either adopt the proposed amendments by majority vote or submit the proposed amendments to the full Academic Council for consideration and adoption.

By voice vote, the amendment was unanimously approved.

#### 4. Implementation of policy changes:

Prof. Pope-Davis discussed the timing of implementing policies developed or modified by the Council. He said that, historically, common practice has been that changes in policy approved by the Academic Council have gone into effect at the start of the following academic year. However, sometimes there are matters that may need to be implemented immediately. He recommended that when the Council agrees on a policy or procedure that affects the academic community that it be implemented during the subsequent semester. Prof. Pope-Davis agreed with Prof. Roche's clarification that, if there was a special reason not to implement a policy in the subsequent semester, the Council could explicitly say that the policy would take effect at a later date. The Council approved this recommendation.

#### 5. Committee Updates

**Undergraduate Studies:** Prof. Page said that the Undergraduate Studies committee is in the process of preparing a set of guidelines for grade criteria that it hopes to present to the Council before the end of the academic year. The committee is also working on a white paper that discusses the issue of grade validity. The committee hopes to share the white paper with the undergraduate colleges and commend it to department chairs and deans for further reflection.

**Faculty Affairs:** Prof. Garnett reported that the Faculty Affairs committee met with Prof. Burish to discuss the report of the ad hoc committee on recruiting outstanding Catholic faculty. She said that the meeting was helpful and led the Faculty Affairs committee to identify two tasks that they plan to address: 1) identifying common perceptions and misperceptions about the University's hiring practices and 2) using the disciplinary expertise of committee members to

evaluate the strategies recommended in the report and potentially identify other promising recruitment techniques. The hope is to use the information gathered as a brainstorming session and bring the discussion back to the Council by the end of the year.

**Advanced Studies:** Prof. Antsaklis informed members that the Advanced Studies committee has been working on two initiatives: 1) recommendations about the Graduate School commencement and 2) best practices on graduate admissions and other kinds of operations at the Graduate School. At the request of Prof. Antsaklis, Prof. Holland updated members on the Graduate Council's approval of a minor in gender studies. Prof. Holland added that the executive committee of the Academic Council ruled that such a decision could be made by the Graduate Council and would not need to come to the Academic Council for further approval.

## 6. Closing Comments

Fr. Jenkins expressed great appreciation to the Working Group for their superb and hard work on the review of the Academic Articles.

With no further business to discuss, Fr. Jenkins adjourned the meeting at 4:50 p.m.

## University Council for Academic Technologies (UCAT)

February 21, 2008, 9:00 – 10:30 am

LaFortune Notre Dame Room

Meeting MINUTES

**Members Present:** Pascal Calarco – Library, Rob Easley – MCoB, Ed Edmonds – Law, Patrick Finnigan – Undergrad Student, Patrick Flynn – Engineering, Mike Hildreth – CoS, Oleg Kim – Graduate Student, Michael Kirsch – Law, Bill McDonald – MCoB, Dan Marmion – Library, John Sherman – A&L, Mark Stadtherr – Engineering, Olaf Wiest – CoS

**Members Absent:** Imdat As, School of Architecture

**Members Excused:** Mark Schurr – A&L

**Ex-Officio Members Present:** Gordon Wishon (Chair) – OIT, Alex Hahn – Kaneb Center, Craig Brummell – OIT, Paul Turner – OIT

**Ex-Officio Members Absent:** Harold Pace, Registrar, Peggy Rowland – OIT

**Guests Present:** Chris Clark – Kaneb Center, Elizabeth Hawkins Lincoln – OIT, Scott Kirner – OIT

### Welcome remarks and agenda review

Council Chair Gordon Wishon called the meeting to order at 9:00 a.m. He welcomed council members and guests.

Mr. Wishon reported that he and Associate Provost Dennis Jacobs received a briefing from the Course Management System Subcommittee during the week of February 11, 2008. At the briefing, Mr. Wishon said he had requested that the Subcommittee present its findings and recommendations to the UCAT for review and discussion at this meeting. This will allow time for reflection and feedback from the Colleges before formally acting on the Subcommittee's recommendations at the March UCAT meeting.

He noted Chris Clark from the Kaneb Center is a guest at today's Council meeting to demonstrate the Second Life 3-D virtual world software. The demonstration was scheduled based on an earlier request from the Council.

### 1. Approval of Minutes

Mr. Wishon asked for questions, comments, or changes to the previous meeting minutes. There were no motions to change or add comments, and the January 2008 meeting minutes were approved as published.

### 2. Subcommittee Reports

Mr. Wishon thanked Professor Rob Easley, Chair of the Course Management System (CMS) Subcommittee as well as faculty, and committee members who spent significant time reviewing the CMS products and collecting relevant feedback from students and faculty. He also noted that the Subcommittee worked closely with the OIT CMS replacement project team led by Scott Kirner to examine the technical aspects of each CMS under consideration. The CMS subcommittee assisted by the project team provided a very detailed and comprehensive review, Mr. Wishon said.

Course Management System – Professor Rob Easley

Professor Rob Easley presented an overview of the CMS Replacement Project, including a recent history of the CMS usage at Notre Dame and project goals for CMS replacement.

Project goals for the CMS replacement project, according to Professor Easley, include:

- A pilot review of CMS alternatives
- Implementation of the CMS selection
- Defining policies for CMS usage
- Contract negotiation with vendors
- Converting existing course and student data from the existing CMS for use by the new system if necessary.

Professor Easley noted that, in reviewing the history of CMS usage at Notre Dame from 2005-2008, there has been a rising trend of faculty and student use of the existing CMS (Blackboard Vista) system. Trend data show greater usage in the fall than in spring semesters.

Professor Easley presented the CMS Subcommittee's concerns about continuing to meet the needs of faculty, whether through usage of a CMS for delivering interim grades to students or for posting documents, quizzes or online discussions for their course(s). He said the OIT and faculty had expressed serious concerns about the stability of the existing CMS (WebCT Vista 3) in 2006 and early 2007, after Blackboard acquired WebCT in early 2006. OIT staff also noted the lack of timely response and follow up from Blackboard when trying to resolve technical issues. One of the key unresolved issues that raised concern was the lack of grade integration between the CMS Gradebook Tool and Notre Dame's Student Information System (Banner).

The CMS Subcommittee, assisted by OIT project team, reviewed four commercial CMS applications and two open source applications using a functional specification matrix developed by the CMS Subcommittee. The specifications encompassed the required and desired features for an 'ideal' CMS for Notre Dame students and faculty.

In the review process, OIT staff gathered data on CMS usage at fifteen Universities.

The focus was on schools that also use Banner as their institutional Student Information System. The three systems ultimately chosen by the CMS Subcommittee for further analysis and hands-on pilots after this review were Angel Learning Management Suite, Blackboard Vista [Notre Dame's current CMS] and Sakai [open source].

As part of the evaluation process, five faculty members used the three systems to support at least one of their courses in fall semester of 2007. This pilot effort involved 600 students, and included two instructors teaching online courses offered through STEP. Additionally, 25 faculty members and 25 students participated in lab-based usability studies of the three systems. OIT staff augmented the pilot with in-depth technical evaluations of each CMS.

Reporting on the functionality evaluation metrics developed by the Subcommittee, Professor Easley noted instructors from the Satellite Theological Education Program (STEP) program had a significantly different weighting for tools and features provided by a CMS than other faculty piloting the CMS. This is mainly due to STEP's use of the CMS to deliver fully online courses at a distance to non-degree adult students.

As part of the CMS evaluation project, each CMS vendor delivered on-campus presentations, which provided the opportunity for faculty and staff to discuss their concerns and examine the future vision for each system.

During the pilot testing phase in fall 2007, each participating faculty member focused on using specific CMS tools or sets of tools to deliver or support their courses.

Professor Easley elaborated on the CMS pilot timeline and indicated that Associate Professor David Hachen, Associate Professional Specialist Kristin Lewis and Fr. Eugene Gorski, and STEP Instructors Greg Doyle and Tom Cummings piloted CMS programs in their respective courses. Ms. Lewis was recognized for doing an exceptional job in piloting different CMS options across all of her twelve course sections. Professor Easley said, "A nice coverage of functionality by testing in a variety of courses" was afforded through the willingness of this faculty group to actively participate.

Paul Turner, Manager of Academic Technologies in the OIT and a member of the CMS Subcommittee, presented additional CMS Pilot findings. Mr. Turner began his presentation by examining the faculty usability evaluation in which five *use case scenarios* were tested by faculty across all three different products in a hands-on laboratory environment. Twenty-three faculty members participated in forty usability evaluation sessions. Each usability session was recorded using Techsmith Morae software. The Morae application collects a rich set of data including video of the participant, screen captures, time spent on each task, number of mouse clicks to accomplish a task, and a rating for level of difficulty to complete a task. Mr. Turner played a video captured using Morae to demonstrate the rich ethnographic and quantitative data provided. In the usability sessions faculty generally rated Blackboard Vista higher than the other two CMS pilot systems, possibly because users were more familiar with the Blackboard platform.

Mr. Wishon asked how much bias might have come into play with participants having familiarity with Blackboard.

Mr. Clark responded that, although there were few totally novice CMS users included in the study, when the novice and more advanced user findings were separated, their usability results were nearly the same.

Mr. Turner commented that, if evaluation personnel were in a position to repeat the usability studies, they would like to have more faculty involvement.

Mr. Turner also reviewed the student usability findings; he said that the findings from student sessions were quite different from those captured during faculty usability sessions. Students had no trouble adapting quickly to Sakai but the Angel Learning Suite was rated lower in the student usability sessions. However, in general, students were able to quickly learn how to use all three CMS when asked to complete the same simple tasks using each system. A close look at the faculty pilot feedback data revealed that Angel and Blackboard nearly tied in most aspects of the analysis. Faculty had specific negative experiences with Sakai when attempting to use the discussion and assessment tools, and that ultimately

resulted in significantly lower rating for Sakai than for Blackboard Vista.

Professor Easley commented that, while the CMS Subcommittee had not set out to find weak points in each CMS, the negative aspects of each system emerged during the pilot process.

Sakai's primary negative attribute was lack of flexibility and features in its discussion tool. Angel's main drawback was lack of flexibility in the assignment tool. In fact, Ms. Lewis determined that Angel was completely unusable for her classes, as it led to a chaotic experience for her and her TAs when trying to track student work submitted in response to specific assignments and deadlines.

Professor John Sherman raised the question of whether these negative attributes were fixable.

In response, Mr. Turner said that these appeared to be software design flaws, and not easily fixed.

Professor Easley said that at some point in the future vendors will no doubt address these issues.

Mr. Turner added the assignment tool flaws Kristin Lewis had encountered were "show stoppers", and would lead her, and perhaps other faculty, not to use Angel LMS if it were adopted as Notre Dame's institutional CMS solution.

Professor Alex Kahn requested that someone address the level of computer knowledge by the pilot faculty. He asked if they were in any way typical of faculty at large, or were they perhaps more tech savvy than the average faculty user.

Professor Easley responded that these users were probably more computer literate than the average faculty user, which was necessary for faculty who agreed to simultaneously pilot multiple CMS in their courses. Professor Easley added that Ms. Lewis was frustrated by the time it took to manage problems her TAs had using the systems.

Mr. Clark commented that the purpose of the pilots was not to determine whether or not any of the systems were "easy to use" but rather to pose and answer the question, "Will it do what I need?"

Professor Easley said that more data on novice student users is included in the full CMS Replacement Project report.

Scott Kirner, Manager, Application Support - Student/Faculty Systems in OIT and a member of the Course Management System Subcommittee presented findings on integration capabilities, stability, extensibility and flexibility of each CMS.

Mr. Kirner reported that the CMS Project technical team had numerous in-depth conversations with CMS vendors about significant issues of concern to Notre Dame Office of Information Technologies. Mr. Kirner's team supports both the campus Banner systems and existing CMS systems. Moreover, his team members are functional experts on how Blackboard interacts with Banner in ways that enable Banner-based student enrollment data to automatically appear in the CMS on a real-time basis. By way of example, Mr. Kirner said the interaction controls student and faculty access to their respective courses within Concourse.

While Blackboard already has the necessary components in place for integration with Banner, Mr. Kirner said that for Angel and Sakai to achieve the same level of integration would require development of custom programs. Notre Dame does not use Blackboard's GradeBook integration feature, because it does not currently meet Notre Dame's unique grade reporting needs. A pilot with Blackboard is currently underway to further test how well Blackboard's new grade integration components work with Notre Dame requirements.

The technical review examined how each the pilot CMS allows third-party applications to *plug into or extend* the built-in features of the CMS. The review found each CMS was capable of accommodating third-party plug-ins or building blocks.

Angel LMS was deemed the leader in this area for its Web Services architecture, while Sakai ranked lowest in this category due to the complexity required to create additional tools or links within the required Java programming language.

Interviews with other schools revealed that Sakai had some ongoing issues with scalability – the ability to function under high simultaneous student and faculty usage. Mr. Kirner said that the technical

review team liked the Angel architecture and its ability to handle significant load, and reported that Blackboard Vista, the incumbent CMS at Notre Dame, had displayed some load accommodation issues in the past.

Angel appeared to provide sophisticated user configuration options, but in the pilot testing the team didn't explore this aspect in great depth. Mr. Kirner said that the team took a basic approach to the testing of users' ability to configure the CMS to their own preferences. Angel seemed to have the most promise in allowing students to customize course home pages to meet their needs.

Closing the CMS presentation, Professor Easley presented the CMS Subcommittee's recommendations:

- Continue to use Blackboard Vista as Notre Dame's institutionally supported Course Management System at least through Spring Semester 2011.
- Review CMS options again in 2010
  - Determine if Blackboard has met their contractual obligations
  - Reassess the course and learning management system marketplace
- Support a set of usability and functionality enhancements to Blackboard Vista to be phased in over the next 12 months – to be in place by the end of spring semester 2009.
- Strategically engage Notre Dame faculty in an effort to raise awareness of the benefits of using the Course Management System as a means for enhancing learning in and outside the classroom.

#### Next Steps for the CMS Project:

Representatives of the Course Management System Subcommittee will make a series of presentations of the pilot results to each College in late February. The presentations will elicit additional input from faculty before requesting final approval by the UCAT in the March meeting on the CMS Subcommittee's recommendations.

Mr. Wishon requested the Council maintain confidentiality of the CMS Subcommittee's recommendations outside the academy prior to entering into contract negotiations with the recommended CMS vendor (Blackboard).

#### Software Acquisition and Distribution – Professor Olaf Wiest

Professor Wiest indicated there were no new requests pending review or approval by the Software Subcommittee at this time.

#### Committee on Research Computing – Professor Mark Stadtherr

#### 3. Student Update – Patrick Finnigan

Undergraduate Representative Patrick Finnigan requested an update on the status of discussions between Apple and the University on the potential for faculty and students to utilize the iTunesU service to download audio and video content. Mr. Craig Brummell, Deputy CIO and Assistant vice President of Academic & Administrative Services for OIT, indicated that the iTunesU contract has been reviewed and approved by Notre Dame legal counsel and will be signed by the University of Notre Dame, thus allowing development to begin this summer on developing a Notre Dame iTunesU home page and strategy. Mr. Brummell indicated there will be a group of interested campus stakeholders with interests in using iTunesU to distribute content who will meet this spring to start planning how to develop policies and “best practices” for posting and maintaining content available to the public and the Notre Dame community within iTunesU on the web. Mr. Wishon offered his assessment that Colleges and Departments may have different pedagogical perspectives on whether to pursue using iTunesU for posting recordings of classroom lectures, but that Student Government, Campus Ministry and the Office of Public Affairs have expressed interest in distributing content via iTunesU.

Mr. Turner reported that OIT continues to explore an earlier request by undergraduate students for an easier way to purchase print quota increases. OIT staff is evaluating alternative solutions and will present their recommendation in a future Council meeting.

#### Additional e-mail quota request & discussion

According to Mr. Finnigan students continue to experience frustration with slow Webmail performance and would also like an increase in their e-mail storage quota. Mr. Wishon replied that OIT is actively investigating possible external vendor

e-mail hosting alternatives perhaps from Microsoft or Google for providing Notre Dame students expanded e-mail services, including much larger storage capacity. Mr. Wishon suggested there are pros and cons for moving students to an externally hosted and managed e-mail solution. There is also concern for any negative impacts having faculty and students using different e-mail services might cause. Mr. Wishon indicated he would invite Mr. Dewitt Latimer, CTO, to attend the March Council meeting to present more details on e-mail changes for faculty, staff and students OIT is considering, and encouraged the Council's input and discussion.

#### **4. Second Life Software Demonstration**

Mr. Chris Clark, Assistant Director for the Kaneb Center for Teaching & Learning presented an overview of the Notre Dame Faculty Learning Community on Virtual Worlds early explorations in the 3-D virtual world Second Life. A primary goal of the Faculty Learning Community in the 2007-2008 academic year is to "explore the potential of virtual worlds to enhance student learning."

He presented a virtual walk-through of Notre Dame's Second Life private island named Sophia to illustrate some of the different ideas designed and built by faculty, students and staff over the past six months. Mr. Clark illustrated how virtual characters, or avatars, can represent a user's presence in a Second Life environment by performing a walking and flying tour of the virtual Island of Sophia. Points of interest were the University Libraries' virtual reference desk, the Open Courseware visitor center, a virtual Chapel that allowed exploration of worship rituals from different religions, and a number of other buildings and scenery in early stages of construction. Mr. Clark closed his presentation by encouraging Council members to consider exploring Second Life, and specifically the work of the Notre Dame faculty learning community, which is now online in the Second Life island of Sophia.

Mr. Wishon thanked Mr. Clark for his interesting presentation and leadership of the faculty efforts in this innovative area.

#### **Adjourned**

The formal meeting was adjourned by Gordon Wishon at 10:35 am.

Next meeting: March 10, 2008.

# Research

## Awards and Proposal Summary

04/01/2008 to 04/30/2008

### Awards Received

Category	No.	Amount
Research	46	\$5,474,588
Instructional Programs	2	\$25,000
<b>Total:</b>	<b>48</b>	<b>\$5,499,588</b>

### Proposals Submitted

Category	No.	Amount
Research	43	\$7,872,656
Instructional Programs	9	\$1,361,195
<b>Total:</b>	<b>52</b>	<b>\$9,233,851</b>

## April 2008 Cumulative summary

### Awards Received

	07.01.2005 - 04.30.2006		07.01.2006 - 04.30.2007		07.01.2007 - 04.30.2008	
Category	No.	Amount	No.	Amount	No.	Amount
Research	332	\$52,089,411	346	\$56,387,323	332	\$68,464,161
Facilities and Equipment						
Instructional Programs	3	\$308,546	6	\$729,452	10	\$1,051,405
Other Programs						
Service Programs					1	\$6,500
<b>Total:</b>	<b>335</b>	<b>\$52,397,957</b>	<b>352</b>	<b>\$57,116,775</b>	<b>343</b>	<b>\$69,522,066</b>

### Proposals Submitted

	07.01.2005 - 04.30.2006		07.01.2006 - 04.30.2007		07.01.2007 - 04.30.2008	
Category	No.	Amount	No.	Amount	No.	Amount
Research	682	\$174,804,054	669	\$225,909,693	590	\$214,561,818
Facilities and Equipment						
Instructional Programs	18	\$4,227,230	32	\$3,941,317	29	\$2,864,979
Other Programs	1	\$5,000	1	\$9,750	4	\$112,500
Service Programs						
<b>Total:</b>	<b>701</b>	<b>\$179,036,284</b>	<b>702</b>	<b>\$229,860,760</b>	<b>623</b>	<b>\$217,539,297</b>

All awards and proposals are credited in the Monthly Summaries report to the academic department of the primary principal investigator. The Office of Research proposal routing form asks principal investigators to indicate at the time the proposal is submitted which unit will be responsible for the conduct of the project. If that unit is a center or institute the proposal/award is included in the Centers/Institutes report that is a subset of the Monthly Summaries report.

The Office of Research is doing what it can to ensure all units receive credit for the proposals/awards they submit and receive. However, it depends on the PI to properly identify responsibility for the project at the time the proposal is submitted. Please notify the Office of Research at [research@nd.edu](mailto:research@nd.edu) or 631-7432 if you are aware of any proposals or awards that have not been properly credited to a center or institute.

**Awards received during the period Apr-01-2008 to Apr-30-2008**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Awards for Research</u></b>				
<b>Department or Office:</b> Aerospace and Mechanical Engineering				
Jumper, Eric J. (Center or Institute) Cavalieri, David Wang, Meng	Airborne Aero-Optic Laboratory (AAOL)	Air Force Research Lab/ARPA	\$556,742	18
Renaud, John E. (Center or Institute)	Nonlinear Crackworthiness Design Tool Development Using Cellular Automata	Corporate Funding	\$53,463	30
Tomar, Vikas	Microstructural Engineering of SiC-Si3N4 Nanocomposites Using a Combination of Classical Molecular Dynamics and Cohesive Finite Element Methods.	National Science Foundation	\$37,500	24
<b>Department or Office:</b> Biological Sciences				
Duman, John G.	Feasibility of Unfrozen Subzero Storage of Mammalian Tissues with Insect Antifreeze Proteins.	Corporate Funding	\$24,870	6
Hellmann, Jessica J. Lobo, Neil F.	Predicting the Impact of Climate Change on Animal Distributions: The Importance of Local Adaptation and Species' Traits	Department of Energy	\$194,045	12
Ramalho-Ortigao, Jose Marcelo (Center or Institute) McDowell, Mary A.	P. Papatasi Midgut Molecules: Gene Function and Assessing TBV Candidates	National Institutes of Health	\$331,500	12
Schulz, Robert A.	Genetic Control of Cardioblast Gene Expression and Heart Tube Morphogenesis.	National Institutes of Health	\$364,125	12



**Awards received during the period Apr-01-2008 to Apr-30-2008**

Investigator(s)	Title	Sponsor	Dollars	Months
Suckow, Mark A. (Center or Institute)	Development of an ECM-Based Cancer Vaccine	Corporate Funding	\$100,000	35
Welsh, JoEllen J. Tenniswood, Martin	Vitamin D Mediated Apoptosis in Mammary Cells	National Institutes of Health	\$272,009	12
<b>Department or Office:</b>	Chemical and Biomolecular Engineering			
Brennecke, Joan F. (Center or Institute)	Energy Assistance Project for the Indiana Dunes National Lakeshore.	National Park Service	\$15,180	22
Brennecke, Joan F. (Center or Institute)	Ionic Liquids for CO2 Capture from Advanced Post-Combustion or Advanced Pre-Combustion Gases	Private Foundation	\$61,000	12
Zhu, Yingxi E.	3M Nontenured Faculty Award	Corporate Funding	\$15,000	12
<b>Department or Office:</b>	Chemistry and Biochemistry			
Baker, Brian M.	CAREER: Assembly and Dynamics of Class I Peptide/MHC Complexes	National Science Foundation	\$5,710	48
<b>Department or Office:</b>	Civil Engineering and Geological Sciences			
Kijewski-Correa, Tracy L.	REU Site: Interdisciplinary Studies in Tsunami Impacts & Mitigation	National Science Foundation	\$83,827	36
Silliman, Stephen E.	IYPE Benin Water Quality Project	Corporate Funding	\$50,000	40
<b>Department or Office:</b>	Classics, The			
Amar, Joseph P.	Ephrem the Syrian: Intellectual and Cultural Biography	Private Foundation	\$30,000	12

**Awards received during the period Apr-01-2008 to Apr-30-2008**

Investigator(s)	Title	Sponsor	Dollars	Months
Amar, Joseph P.	Ephrem the Syrian: An Intellectual and Cultural Biography	National Endowment for the Humanities	\$42,600	11
<b>Department or Office:</b>	Computer Science & Engineering			
Poellabauer, Christian	CAREER: Judicious Resource Management in Wireless Service Sharing Environments	National Science Foundation	\$12,000	60
Thain, Douglas L. Flynn, Patrick J.	HECURA: Deconstructing Clusters for High End Biometric Applications	National Science Foundation	\$12,000	24
<b>Department or Office:</b>	Electrical Engineering			
Collins, Oliver M.	A Practical Approach Multi-User Channels with Unknown Fading	National Science Foundation	\$95,687	36
Jena, Debdeep (Center or Institute) Xing, Huili	Evaluation of Graphene Nanoribbons for Lateral Bandgap-Engineering Devices	National Science Foundation	\$299,999	36
Xing, Huili (Center or Institute)	GaN-Based Millimeter-wave Sources	University of California-Santa Barbara	\$40,833	72
<b>Department or Office:</b>	English			
Staud, John J. (Center or Institute)	Summer School Program-Helen Brach Foundation	Private Foundation	\$25,000	3
<b>Department or Office:</b>	History			
Bederman, Gail	Sex, Politics, and Contraception in England and the United States, 1793-1831.	American Council Learned Society	\$40,000	12

**Awards received during the period Apr-01-2008 to Apr-30-2008**

Investigator(s)	Title	Sponsor	Dollars	Months
Kselman, Thomas A.	Conversion and Liberty in Post-Revolutionary France	National Endowment for the Humanities	\$42,000	10
Martin, Alexander	Enlightened Absolutism and Urban Modernity in Moscow, 1763-1881.	American Council Learned Society	\$17,500	6
Van Engen, John H. (Center or Institute)	The Spirit of the Twelfth Century: Reading, Reason, and Revolt in a World of Custom.	American Council Learned Society	\$60,000	12
<b>Department or Office:</b> Mathematics				
Barron, Katrina D.	Vertex Operator Superalgebras, Twisted Modules, and the Geometry of Superconformal Field Theory	National Security Agency	\$16,439	12
Cholak, Peter A. Starchenko, Sergei Buechler, Steven A. Knight, Scott D.	EMSW21-RTG: Research Training in Mathematical Logic at Notre Dame.	National Science Foundation	\$151,000	12
Evens, Samuel R.	Algebraic Groups and Poisson Geometry	National Security Agency	\$17,601	12
Ledrappier, Francois M.	Ergodic Theory	National Science Foundation	\$70,032	36
<b>Department or Office:</b> Physics				
Balsara, Dinshaw S.	The Spreading of Matter in Boundary Layers of Accreting White Dwarfs: Relevance to Space Observations.	Villanova University	\$34,500	12

**Awards received during the period Apr-01-2008 to Apr-30-2008**

Investigator(s)	Title	Sponsor	Dollars	Months
Bigi, Ikaros I.	Indirect Probes for Dynamics Beyond the Standard Model	National Science Foundation	\$50,000	36
Dobrowolska-Furdyna, Malgorzata Furdyna, Jacek K. Liu, Xinyu	Electron Spin Effects in Semiconductor Nanostructure	National Science Foundation	\$120,000	47
Furdyna, Jacek K.	Spin Manipulation of Confined and Bound States in Semiconductor Nanostructures	Civilian Research & Development Foundation	\$12,320	24
Garnavich, Peter M. (Center or Institute)	Sweeping Away the Dust: Reliable Dark Energy with an Infrared Hubble Diagram	Space Telescope Science Institute	\$40,050	24
Wiescher, Michael C (Center or Institute)	Joint Institute for Nuclear Physics	National Science Foundation	\$75,000	60
Wiescher, Michael C. Arahamian, Ani Garg, Umesh (Center or Institute) Collon, Philippe A. Tang, Xiao-Dong	Nuclear Structure and Nuclear Astrophysics.	National Science Foundation	\$1,400,000	12
Wiescher, Michael C. (Center or Institute)	KVI-ELISe Project	Kernfysisch Versneller Instituut	\$105,354	9
<b>Department or Office:</b>	Political Science			
Abbey, Ruth M.	The Return of Feminist Liberalism.	Tulane University	\$40,000	8

**Awards received during the period Apr-01-2008 to Apr-30-2008**

Investigator(s)	Title	Sponsor	Dollars	Months
Zuckert, Michael P.	Freedom of Religion...Endowment for the Tocqueville Program in Religion and American Public Life	National Endowment for the Humanities	\$333,000	55
<b>Department or Office:</b>	Program of Liberal Studies			
Polzonetti, Pierpaolo	Italian Opera in the Age of the American Revolution.	American Council Learned Society	\$30,000	12
<b>Department or Office:</b>	Psychology			
Cummings, E. M. (Center or Institute)	Child Regulation and Exposure to Marital Violence	Auburn University	\$25,702	12
<b>Department or Office:</b>	Romance Languages and Literatures			
Moevs, Christian R.	Dante's Mystics: The Commedia and the Contemplative Tradition	National Endowment for the Humanities	\$42,000	10
<b>Department or Office:</b>	Sociology			
Cardenas, Gilberto (Center or Institute)	Research Assistance: Planning Impacts of Latino Population Growth.	Chicago Metropolitan Agency for Planning	\$25,000	3
<b>Department or Office:</b>	Theology			
Signer, Michael A.	Israel at 60	American Israel Public Affairs Committee	\$4,000	1
<b><u>Awards for Instructional Programs</u></b>				
<b>Department or Office:</b>	Chemistry and Biochemistry			
Wiest, Olaf G. Slaughter, John	Chemistry in a Digital Visualization Theatre.	Private Foundation	\$20,000	24
<b>Department or Office:</b>	Financial Aid			
Russo, Joseph A.	OxCHEPS Revisited	Private Foundation	\$5,000	9

**Proposals submitted during the period Apr-01-2008 to Apr-30-2008**

Investigator(s)	Title	Sponsor	Dollars	Months
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Aerospace and Mechanical Engineering			
Corke, Thomas C.	Plasma Enhanced Vehicle Aerodynamics.	Corporate Funding	\$0	12
Renaud, John E.	Nonlinear Crashworthiness Design Tool Development Using Cellular Automata.	Corporate Funding	\$53,463	6
<b>Department or Office:</b>	Biological Sciences			
Tank, Jennifer L.	Watershed Scale Evaluations in a Tristate Region of the Water Quality Benefits of Self-Forming and Two-State Channel Systems.	Ohio State University	\$263,010	36
<b>Department or Office:</b>	Center for Zebrafish Research			
Bailey, Travis	Phosphatidylserine-based cell-cell interactions during photoreceptor regeneration	Private Foundation	\$20,000	12
<b>Department or Office:</b>	Chemical and Biomolecular Engineering			
Bohn, Paul W. Schneider, William F.	Molecular Recognition and Chemical Sensing in Nanopores.	University of Illinois-Urbana-Champaign	\$180,000	15
Brennecke, Joan F. Stadtherr, Mark A. Maginn, Edward J. McCready, Mark J. Paolucci, Samuel Sen, Mihir	Notre Dame Geothermal Ionic Liquids Research: Ionic Liquids for Utilization of Geothermal Energy	Department of Energy	\$984,001	12
<b>Department or Office:</b>	Chemistry and Biochemistry			
Helquist, Paul Wiest, Olaf G.	Computational Prediction of Enantioselectivity in Metal-Catalyzed Reactions.	National Science Foundation	\$199,350	24
Kuno, Masaru K.	Graded Quantum Dot/Nanowire Heteroassemblies for Photovoltaics.	Corporate Funding	\$0	12
O'Daniel, Peter	Structures of Bacterial Signal Peptides and Peptide Protein Anchors by NMR.	Private Foundation	\$500,000	60

**Proposals submitted during the period Apr-01-2008 to Apr-30-2008**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b> Civil Engineering and Geological Sciences				
Nerenberg, Robert	The hybrid membrane biofilm process (HMBP) for wastewater treatment: research on membrane materials and configurations	Corporate Funding	\$65,000	12
Silliman, Stephen E.	IYPE Benin Water Quality Project	Corporate Funding	\$150,000	36
Westerink, Joannes J.	USACE-Developing Advanced Hurricane Storm Surge Modeling Capabilities-Research Needs	U.S. Army Corps of Engineers	\$72,723	8
<b>Department or Office:</b> Computer Science & Engineering				
Blanton, Marina	Techniques for Secure and Reliable Computational Outsourcing.	Purdue University	\$110,394	46
Chandra, Surendar	CSR-DMSS, SM: Adapting Resource Management in Contemporary Operating Systems for Mobile Peer Computing.	National Science Foundation	\$190,101	36
Chandra, Surendar	CSR-DMSS, SM: Building a Practical Group Collaboration System Among Campus-wide Wireless Users.	National Science Foundation	\$365,798	36
Chawla, Nitesh V. Thain, Douglas L. Striegel, Aaron	CSR-DMSS, SM: Understanding the Workings of a Complex System of Humans, Processes, and Machines	National Science Foundation	\$449,999	36
Izaguirre, Jesus A.	Coarse-Graining the Dynamics of Biological Macromolecules	Department of Energy	\$552,785	36
Kogge, Peter M.	Extra Support of ExaScale Computing Feasibility Study.	Georgia Institute of Technology	\$17,770	8
Poellabauer, Christian Hu, Xiaobo	CSR-EHCS(EHS), SM: Collaborative Research: Integrated Energy-Aware Resource Scheduling for Wireless Real-Time Systems.	National Science Foundation	\$347,679	36

**Proposals submitted during the period Apr-01-2008 to Apr-30-2008**

Investigator(s)	Title	Sponsor	Dollars	Months
Thain, Douglas L.	CSR-PSCE, TM: Distributed High Performance Reconfigurable Computing.	Private Foundation	\$403,571	48
<b>Department or Office:</b>	Electrical Engineering			
Antsaklis, Panos J.	A Supervisory Control Approach to Concurrent Programming.	National Science Foundation	\$454,103	36
Fuja, Thomas E.	CSR-EHCS(EHS), SM: Collaborative Research An Anytime Approach to Real-Time Embedded Control	National Science Foundation	\$201,097	36
Hall, Douglas C.	Compact Semiconductor Ring Resonator Lasers.	Corporate Funding	\$7,500	6
Jena, Debdeep	Ultra Energy and Power Dense Nanolayer Capacitors.	Corporate Funding	\$23,994	9
Porod, Wolfgang Lieberman, Marya Hu, Xiaobo Niemier, Michael T. Brenner, David H.	IGERT: Nanoelectronics at Notre Dame (NAND) : From Lab to Market.	National Science Foundation	\$2	60
Xing, Huili Jena, Debdeep	Ultrascaled AlN/GaN HEMT Technology for mm-Wave RF Applications	Department of Navy	\$260,000	12
<b>Department or Office:</b>	History			
Bederman, Gail	Sex, Politics, and Contraception in England and the United States, 1793-1831.	American Council Learned Society	\$40,000	12
Noll, Mark	Bradley Fellowship Program	Private Foundation	\$25,000	12
Van Engen, John H.	The Spirit of the Twelfth Century: Reading, Reason, and Revolt in a World of Custom.	American Council Learned Society	\$60,000	11



**Proposals submitted during the period Apr-01-2008 to Apr-30-2008**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b>	Kellogg Institute for International Studies			
Schierling, Sharon K. Rivera, Juan M.	Multidisciplinary Research Linkages for Improving Economic Competitiveness for Sustainable Development in the Mexican Rural Contryside.	Embassy of Canada	\$20,000	8
<b>Department or Office:</b>	Kroc Institute for International Peace Studies			
Lederach, John P.	Peacebuilding Apprenticeship Process.	Fetzer Institute	\$433,600	24
<b>Department or Office:</b>	Military Science			
Kilpatrick, Peter L.	Probing the Role of Heavy Metal Atoms in Asphaltene Aggregation	Corporate funding	\$202,350	12
<b>Department or Office:</b>	Physics			
Furdyna, Jacek K.	Spin Manipulation of Confined and Bound States in Semiconductor Nanostructures	Civilian Research & Development Foundation	\$12,320	24
Wayne, Mitchell R.	Moved to 08110644. USCMS Project Memoranda of Understanding - Five Components.	University of California-Los Angeles	\$0	
<b>Department or Office:</b>	Psychology			
Haeffel, Gerald	Vulnerability to Depression: An Investigation of the Approach/Withdrawal Endophenotype	Natl Alliance for Research on Schizophrenia and Depression	\$250,000	36
Jenuwine, Michael J.	From Punishment to Prevention and Restoration: Redirecting Resources Toward a Comprehensive Community Response to Crime and Violence.	Private Foundation	\$6,000	
Radvansky, Gabriel A.	Walking Through Doorways Causes Forgetting: Cognition Effectiveness in Interactive Environments.	U.S. Army Research Institute	\$406,918	48
Radvansky, Gabriel A. Bohn, Paul W.	A Genesis in Memory, Neuroscience and Nanotechnology	James S. McDonnell Foundation	\$155,428	36

**Proposals submitted during the period Apr-01-2008 to Apr-30-2008**

Investigator(s)	Title	Sponsor	Dollars	Months
<b>Department or Office:</b>	Robinson Community Learning Center			
Caponigro, Jerome V.	Robinson Enterprises	Small Business Adminstration	\$282,000	18
<b>Department or Office:</b>	Romance Languages and Literatures			
Boulton, Maureen B.	Devotion at Court in Fifteenth-Century France	National Endowment for the Humanities	\$50,400	12
Rice, Alison	Transnational Francophones: Global Women Writers in Paris.	National Endowment for the Humanities	\$46,200	11
<b>Department or Office:</b>	Upward Bound			
Luckey, Velshonna N.	RCLC Shakespeare Drama Club	Private Foundation	\$3,600	2
Luckey, Velshonna N.	RCLC After School Program.	City of South Bend	\$6,500	9
<b><u>Proposals for Instructional Programs</u></b>				
<b>Department or Office:</b>	ACE Educational Outreach			
Johnstone, Joyce V. Morris, Karen M.	AP Bridge Project/AP Training Fund	Lumina Foundation for Education, Inc.	\$160,000	24
<b>Department or Office:</b>	Computer Science & Engineering			
Thain, Douglas L. Ferdig, Michael T. Emrich, Scott Bensman, Edward L.	IGERT: Traineeship: Data Intensive Scientific Computing.	National Science Foundation	\$2	60
<b>Department or Office:</b>	Electrical Engineering			
Hall, Douglas C.	High-Index-Contrast Waveguides for Enhanced Optoelectronic Devices and Integration	National Science Foundation	\$6,000	3
<b>Department or Office:</b>	English			
Staud, John J.	Summer School Program-Helen Brach Foundation	Private Foundation	\$25,000	3
<b>Department or Office:</b>	Physics			
Berry, Henry G.	Strategies: HOST: A Hands-On Science and Technology Center for STEM Learning.	National Science Foundation	\$1,117,486	36

**Proposals submitted during the period Apr-01-2008 to Apr-30-2008**

Investigator(s)	Title	Sponsor	Dollars	Months
Toroczka, Zoltan Hachen, David S. Alber, Mark S. Chawla, Nitesh V. Newman, Kathie E.	IGERT: A Notre Dame Interdisciplinary Center of Excellence for Network Science	National Science Foundation	\$2	60
<b>Department or Office:</b>	Program of Liberal Studies			
Power, Clark	Character Education Through Youth Sports	Private Foundation	\$36,000	14
<b>Department or Office:</b>	Romance Languages and Literatures			
Douthwaite, Julia V.	New Paradigms in Revolutionary Studies: French-American Colloquium.	Private Foundation	\$12,705	7
<b>Department or Office:</b>	Theology			
Signer, Michael A.	Israel at 60	American Israel Public Affairs Committee	\$4,000	1

## **Awards and Proposal Summary**

### **Centers and Institutes Report**

**04/01/2008 to 04/30/2008**

#### **Awards Received**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Alliance for Catholic Education	1	\$25,000
Center for Astrophysics	1	\$40,050
Center for Children and Families	1	\$25,702
Center for Flow Physics and Control	2	\$610,205
Center for Global Health and Infectious Diseases	1	\$331,500
Freimann Life Science Center	1	\$100,000
Institute for Latino Studies	1	\$25,000
Joint Institute for Nuclear Astrophysics	2	\$180,354
Medieval Institute	1	\$60,000
ND Energy Center	2	\$76,180
Nano Science and Technology Center	2	\$340,832
Nuclear Structure Laboratory	2	\$1,475,000
<b>Total:</b>	<b>17</b>	<b>\$3,289,823</b>

#### **Proposals Submitted**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Alliance for Catholic Education	1	\$25,000
Center for Complex Network Research	1	\$2
Center for Flow Physics and Control	1	\$0
Center for Zebrafish Research	1	\$20,000
Institute for Educational Initiatives	2	\$196,000
Kellogg Institute for International Studies	1	\$20,000
Kroc Institute for International Peace Studies	1	\$433,600
Medieval Institute	1	\$60,000
ND Energy Center	1	\$984,001
Nano Science and Technology Center	2	\$7,502
Robinson Community Learning Center	3	\$292,100
<b>Total:</b>	<b>15</b>	<b>\$2,038,205</b>

### **Awards and Proposal Summary**

#### **Centers and Institutes Report**

07/01/2007 to 04/30/2008

#### **Awards Received**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
ACE Educational Outreach	2	\$85,000
Alliance for Catholic Education	2	\$302,500
Biological Sciences	2	\$214,853
Center for Applied Mathematics	1	\$120,000
Center for Aquatic Conservation	2	\$955,637
Center for Astrophysics	6	\$353,383
Center for Children and Families	5	\$2,534,913
Center for Flow Physics and Control	24	\$2,901,984
Center for Global Health and Infectious Diseases	16	\$8,418,551
Center for Microfluidics and Medical Diagnostics	4	\$1,676,822
Center for Research Computing	1	\$98,332
Center for Social Concerns	2	\$13,374
Center for Transgene Research	1	\$355,568
Center for Zebrafish Research	1	\$250,547
Center for the Study of Religion and Society	1	\$25,000
Environmental Research Center	1	\$169,998
Freimann Life Science Center	6	\$262,235
Gigot Center	1	\$14,700
Institute for Church Life	2	\$160,000
Institute for Educational Initiatives	1	\$50,000
Institute for Latino Studies	7	\$318,930
Institute for Theoretical Sciences	1	\$57,976
Interdisciplinary Center for the Study of Biocomplexity	1	\$346,252
John A. Kaneb Center for Teaching and Learning	1	\$42,880
Joint Institute for Nuclear Astrophysics	4	\$2,266,604
Kellogg Institute for International Studies	3	\$170,625
Medieval Institute	4	\$140,400
ND Energy Center	4	\$201,190
Nano Science and Technology Center	22	\$4,087,564
Nuclear Structure Laboratory	5	\$3,566,250
Radiation Laboratory	5	\$4,182,918
Robinson Community Learning Center	5	\$131,000
The Graduate School (Other)	1	\$121,500

## **Awards and Proposal Summary**

### **Centers and Institutes Report**

07/01/2007 to 04/30/2008

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Walther Cancer Research Center	4	\$973,552
<b>Total:</b>	<b>148</b>	<b>\$35,571,038</b>

### **Proposals Submitted**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
ACE Educational Outreach	2	\$85,000
Alliance for Catholic Education	1	\$25,000
Biological Sciences	1	\$45,883
Center for Applied Mathematics	1	\$1,113,246
Center for Aquatic Conservation	11	\$8,111,034
Center for Astrophysics	9	\$2,173,350
Center for Children and Families	3	\$1,669,963
Center for Complex Network Research	4	\$1,062,728
Center for Educational Opportunity	1	\$35,000
Center for Ethics and Culture	1	\$103,500
Center for Flow Physics and Control	18	\$3,622,307
Center for Global Health and Infectious Diseases	21	\$11,041,835
Center for Microfluidics and Medical Diagnostics	4	\$1,115,747
Center for Philosophy of Religion	4	\$120,000
Center for Social Concerns	1	\$2,500
Center for Transgene Research	6	\$3,262,147
Center for Zebrafish Research	14	\$3,088,015
Center for the Study of Religion and Society	1	\$25,000
Department of Athletics	1	\$30,000
East Asian Languages and Literatures	1	\$1,500,000
Environmental Research Center	2	\$525,110
Freimann Life Science Center	7	\$800,740
Institute for Church Life	2	\$547,000
Institute for Educational Initiatives	5	\$371,000
Institute for Latino Studies	11	\$1,146,792
Institute for Theoretical Sciences	1	\$86,964
Interdisciplinary Center for the Study of Biocomplexity	4	\$1,659,825
John A. Kaneb Center for Teaching and Learning	1	\$42,880
Joint Institute for Nuclear Astrophysics	6	\$30,967,291
Kellogg Institute for International Studies	5	\$180,000
Keough Institute for Irish Studies	2	\$172,526
Kroc Institute for International Peace Studies	5	\$927,209
Lobund Laboratory	1	\$69,203
Medieval Institute	3	\$960,000
ND Energy Center	8	\$7,409,288
Nano Science and Technology Center	29	\$16,461,318

**Awards and Proposal Summary****Centers and Institutes Report****07/01/2007 to 04/30/2008**

<b>Department or Office</b>	<b>No.</b>	<b>Amount</b>
Nuclear Structure Laboratory	2	\$9,955,879
Performing Arts Center	1	\$100,000
Radiation Laboratory	7	\$1,438,553
Robinson Community Learning Center	18	\$461,180
Walther Cancer Research Center	6	\$1,776,309
<b>Total:</b>	<b>231</b>	<b>\$114,291,322</b>

## Awards received during the period Apr-01-2008 to Apr-30-2008

### Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<b><u>Awards for Research</u></b>				
<b>Department or Office:</b>	Alliance for Catholic Education			
Staud, John J. (Center or Institute)	Summer School Program-Helen Brach Foundation	Private Foundation	\$25,000	007383-001
<b>Department or Office:</b>	Center for Astrophysics			
Garnavich, Peter M. (Center or Institute)	Sweeping Away the Dust: Reliable Dark Energy with an Infrared Hubble Diagram	Space Telescope Science Institute	\$40,050	007389-001
<b>Department or Office:</b>	Center for Children and Families			
Cummings, E. M. (Center or Institute)	Child Regulation and Exposure to Marital Violence	Auburn University	\$25,702	006319-001
<b>Department or Office:</b>	Center for Flow Physics and Control			
Jumper, Eric J. (Center or Institute)	Airborne Aero-Optic Laboratory (AAOL)	Air Force Research Lab/ARPA	\$556,742	007368-001
Cavalieri, David Wang, Meng				
Renaud, John E. (Center or Institute)	Nonlinear Crackworthiness Design Tool Development Using Cellular Automata	Corporate Funding	\$53,463	006809-001
<b>Department or Office:</b>	Center for Global Health and Infectious Diseases			
Ramalho-Ortigao, Jose Marcelo (Center or Institute)	P. Papatasi Midgut Molecules: Gene Function and Assessing TBV Candidates	National Institutes of Health	\$331,500	007360-001
McDowell, Mary A.				
<b>Department or Office:</b>	Freimann Life Science Center			
Suckow, Mark A. (Center or Institute)	Development of an ECM-Based Cancer Vaccine	Corporate Funding	\$100,000	006783-001
<b>Department or Office:</b>	Institute for Latino Studies			
Cardenas, Gilberto (Center or Institute)	Research Assistance: Planning Impacts of Latino Population Growth.	Chicago Metropolitan Agency for Planning	\$25,000	007359-001
<b>Department or Office:</b>	Joint Institute for Nuclear Astrophysics			
Wiescher, Michael C. (Center or Institute)	KVI-ELISe Project	Kernfysisch Versneller Institut	\$105,354	007362-001



### Awards received during the period Apr-01-2008 to Apr-30-2008

#### Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
Wiescher, Michael C (Center or Institute)	Joint Institute for Nuclear Physics	National Science Foundation	\$75,000	006117-001
<b>Department or Office:</b>	Medieval Institute			
Van Engen, John H. (Center or Institute)	The Spirit of the Twelfth Century: Reading, Reason, and Revolt in a World of Custom.	American Council Learned Society	\$60,000	007380-001
<b>Department or Office:</b>	ND Energy Center			
Brennecke, Joan F. (Center or Institute)	Energy Assistance Project for the Indiana Dunes National Lakeshore.	National Park Service	\$15,180	007378-001
Brennecke, Joan F. (Center or Institute)	Ionic Liquids for CO2 Capture from Advanced Post-Combustion or Advanced Pre-Combustion Gases	Private Foundation	\$61,000	007358-001
<b>Department or Office:</b>	Nano Science and Technology Center			
Jena, Debdeep (Center or Institute)	Evaluation of Graphene Nanoribbons for Lateral Bandgap-Engineering Devices	National Science Foundation	\$299,999	007367-001
Xing, Huili (Center or Institute)	GaN-Based Millimeter-wave Sources	University of California-Santa Barbara	\$40,833	006515-001
<b>Department or Office:</b>	Nuclear Structure Laboratory			
Wiescher, Michael C. Aprahamian, Ani Garg, Umesh (Center or Institute) Collon, Philippe A. Tang, Xiao-Dong	Nuclear Structure and Nuclear Astrophysics.	National Science Foundation	\$1,400,000	007372-001
Wiescher, Michael C (Center or Institute)	Joint Institute for Nuclear Physics	National Science Foundation	\$75,000	006117-001

## **Proposals submitted during the period Apr-01-2008 to Apr-30-2008**

### **Centers and Institutes Report**

<b>Investigator(s)</b>	<b>Title</b>	<b>Sponsor</b>	<b>Dollars</b>	<b>Proposal #</b>
<b><u>Proposals for Research</u></b>				
<b>Department or Office:</b>	Center for Flow Physics and Control			
Corke, Thomas C.	Plasma Enhanced Vehicle Aerodynamics.	Corporate Funding	\$0	08100627
<b>Department or Office:</b>	Center for Zebrafish Research			
Bailey, Travis	Phosphatidylserine-based cell-cell interactions during photoreceptor regeneration	Private Foundation	\$20,000	08100592
<b>Department or Office:</b>	Kellogg Institute for International Studies			
Schierling, Sharon K. Rivera, Juan M.	Multidisciplinary Research Linkages for Improving Economic Competitiveness for Sustainable Development in the Mexican Rural Contryside.	Embassy of Canada	\$20,000	08100624
<b>Department or Office:</b>	Kroc Institute for International Peace Studies			
Lederach, John P.	Peacebuilding Apprenticeship Process.	Fetzer Institute	\$433,600	08100626
<b>Department or Office:</b>	Medieval Institute			
Van Engen, John H.	The Spirit of the Twelfth Century: Reading, Reason, and Revolt in a World of Custom.	American Council Learned Society	\$60,000	08100606
<b>Department or Office:</b>	ND Energy Center			
Brennecke, Joan F. Stadtherr, Mark A. Maginn, Edward J. McCready, Mark J. Paolucci, Samuel Sen, Mihir	Notre Dame Geothermal Ionic Liquids Research: Ionic Liquids for Utilization of Geothermal Energy	Department of Energy	\$984,001	08100604
<b>Department or Office:</b>	Nano Science and Technology Center			
Hall, Douglas C.	Compact Semiconductor Ring Resonator Lasers.	Corporate Funding	\$7,500	08100594
Porod, Wolfgang Lieberman, Marya Hu, Xiaobo Niemier, Michael T. Brenner, David H.	IGERT: Nanoelectronics at Notre Dame (NAND) : From Lab to Market.	National Science Foundation	\$2	08100616

**Proposals submitted during the period Apr-01-2008 to Apr-30-2008**

**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<b>Department or Office:</b>	Robinson Community Learning Center			
Caponigro, Jerome V.	Robinson Enterprises	Small Business Adminstration	\$282,000	08100587
Luckey, Velshonna N.	RCLC After School Program.	City of South Bend	\$6,500	08100629
Luckey, Velshonna N.	RCLC Shakespeare Drama Club	Private Foundation	\$3,600	08100632

**Proposals for Instructional Programs**

<b>Department or Office:</b>	Alliance for Catholic Education			
Staud, John J.	Summer School Program-Helen Brach Foundation	Private Foundation	\$25,000	08100615
<b>Department or Office:</b>	Center for Complex Network Research			
Toroczka, Zoltan	IGERT: A Notre Dame Interdisciplinary Center of Excellence for Network Science	National Science Foundation	\$2	08100623
Hachen, David S.				
Alber, Mark S.				
Chawla, Nitesh V.				
Newman, Kathie E.				
<b>Department or Office:</b>	Institute for Educational Initiatives			
Power, Clark	Character Education Through Youth Sports	Private Foundation	\$36,000	08100582
Johnstone, Joyce V.	AP Bridge Project/AP Training Fund	Lumina Foundation for Education, Inc.	\$160,000	08100600
Morris, Karen M.				

# Notre Dame Report



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