

# Department of Economics Annual Report

## Calendar Year 2004

### Department Chair's Summary

This year the Department of Economics continued to make steady progress in research, scholarship, graduate and undergraduate teaching, as well as outreach. This progress has been severely hampered, however, by the exceptional demands on our resources created by a sustained loss of faculty and our teaching commitments. We have reached a point that stretches our resources beyond their limit. We are the *only* department of Economics in the United States that is currently maintaining an undergraduate program with close to 400 majors and a Ph.D. program of around 50 students, with fewer than 14 full-time faculty.

**Research/scholarship.** In terms of *scholarly publications*, 2004 has been another excellent year, both in *published* and *forthcoming papers*. There are some notable publications which give the department much needed visibility. There was also an increase in new grant money as well as our faculty's participation in journal editing. Catherine Eckel's election to the Presidency of the *Southern Economic Association* has given the department unique visibility. Deborah Mayo's scholarly contributions (some jointly with Aris Spanos) have enhanced our visibility in multi-disciplinary research. Hans Haller's selection as "Researcher of the Week" at Virginia Tech (October 2004) has helped our on-campus scholarly presence. James M. Buchanan (University Distinguished Emeritus Professor) continues to help enhance the scholarship of the department. In addition to financing the *James M. Buchanan* annual series of lectures, given this year (December 6-8) by a distinguished scholar (Dr. Charles R. Plott, California Institute of Technology), on "Experimental Economics", Dr Buchanan financed a three day conference in Blacksburg on "**Terrorism in the 21<sup>st</sup> Century**", which was attended by 12 distinguished academics from the USA and Europe.

**Graduate and Undergraduate Education.** This has been a successful year in terms of completion of Ph.D. degrees (5) as well as placement of our graduate students in both academic and non-academic positions. Maria Heracleous' placement (August 2004) as a tenured track Assistant Professor at the *American University* (Washington, DC) is particularly notable. Deborah Mayo's teaching has added a unique dimension to our Ph. D. program. The department has made great efforts to maintain our teaching of *Principles of Economics* courses as part of the core curriculum, despite the loss of Mark McLeod (to Pennsylvania State University); Mcleod has been our primary teacher and coordinator of "Principles" courses for the last 6 years. Although there is some decrease in the number of majors, it is still much higher than the current faculty can manage. We have reached the stage where we cannot teach enough electives for our undergraduates to complete their course of study within the designated time, and for our Ph. D. students to have the opportunity to take some basic courses in crucially important fields of study in economics.

**Outreach.** We continued our collaboration with Sungkyunkwan University (South Korea). As a direct result of this outreach activity two Korean students are currently in our Ph. D. program. Djavad Salehi's participation in discussions/panels concerning the Middle East Economies has given the department some visibility in the popular media.

## FACULTY

### 1. Full Time Faculty for Calendar Year 2004

**Professors:** Richard Ashley, Catherine Eckel, Hans Haller, Amoz Kats, Deborah Mayo (50% Economics/50% Philosophy), Djavad Salehi-Isfahani, Aris Spanos, and Nicolaus Tideman

**Associate Professors:** Sheryl Ball, Richard Cothren, Robert Gilles, Nancy Lutz, Mark Stegeman, and Dennis Yang

**Assistant Professors:** Marcelo Mello, Russell Murphy (Spring 2004)

**University Distinguished Professor Emeritus:** James M. Buchanan

**Instructors:** Mike Hilmer (Summer and Fall 2004) and Mark McLeod (Spring 2004)

**Visiting Assistant Professor:** Jannet Chang (Fall 2004), Chetan Dave (Fall 2004), Eric Fisher (Fall 2004), Steven Jordan (Fall 2004), and Fernanda Toros (Spring 2004)

**Post-docs:** Maria Heracleous (Spring 2004) and Shu-yi Tsai

### 2. Full Time Faculty on Leave in 2004

Nancy Lutz began leave in Fall 2003 to serve at the National Science Foundation. She is a Program Director for the Economics Program in the Division of Social and Economic Science.

Mark Stegeman began leave as a visiting professor at the University of Arizona in Fall 2004.

## UNDERGRADUATE PROGRAM

### 1. Curriculum Development

The major departmental curriculum innovation this year was designing the department's VIEWS program (the new Writing, Speaking and Visualizing requirement for undergraduates). Economics will be including "level appropriate" VIEWS assignments in all economics courses required for the major. By doing this, the economics faculty is adopting a progressive learning model so that students' ability to communicate about their discipline improves along with their knowledge of the discipline.

Specific Innovations by individual faculty members follow.

#### **Richard Cothren**

- Developed an advanced course in macroeconomics for undergraduates, which was taught as ECON 3224 Applied Macroeconomics during the Fall semester.

### **Amoz Kats**

- ECON 2025H Honors Principles of Economics was moved from the Spring to the Fall semester. On a positive note, this change resulted in an increase in enrollment, mainly of freshmen. On the other hand, Dr. Kats observed that the students were less prepared for the course. In particular, too many students were not familiar with calculus of multi-variable functions. It should be noted that for the second time in the last several years a student that has changed his major to Economics mainly because of this course is the outstanding senior of the department.

### **Deborah Mayo**

- ECON 4984 and 5984 SS: Philosophy of Science and Economics (also jointly offered with Philosophy and STS) required designing a distinctly new course based on interweaving philosophy of science with issues and readings of economics methodology. A reading group over summer 2004 was part of the preparation. Approximately 2/3 of the course dealt with an in-depth study of key philosophers of science, with the final third focusing on readings in economic methodology, including items from experimental economics. She was very satisfied with this class and gratified by the enthusiasm of Economics students. A special challenge was posed by the fact that the class included upper level undergraduates as well as graduate students. A very effective strategy was to hold weekly discussion groups with the graduate students only (led by Jean Miller). Another technique that very successfully encouraged students to group together to discuss material and prepare answers to reading questions outside class was to split the class up into small groups, and have them work on questions within the class. This got the students to explain issues to each other and sharpened everyone's ability to appreciate, as well as argue, the underlying philosophical issues. A third innovation that worked surprisingly well in the last third of the course was to have students critically evaluate some materials from their other economics classes, *very specifically* applying the analytical techniques we had learned in the early part of the course. She plans to modify slightly the economics and philosophy readings for fall 2005, but in other ways build upon the design that worked so well in fall 2004. A Blackboard website was actively employed in this class.

## **2. Undergraduate Research**

### **Sheryl Ball and Catherine Eckel**

- Supervised five economics majors in an undergraduate research project in spring 2005. This research project was carried out at LSHTA, the department's experimental economics laboratory. These students worked collaboratively on a project measuring discrimination between students based on gender and ethnicity.

### **Sheryl Ball**

- Supervised two students in independent undergraduate research projects to test their own hypotheses in Fall 2005.

### 3. Technology

#### Sheryl Ball and Catherine Eckel

- Taught ECON 3104 Microeconomic Theory (Eckel) and ECON 4434 Experimental Economics (Ball) during the Fall, using interactive exercises facilitated by the use of 20 Hewlett Packard tablet PCs (courtesy of a grant from Hewlett Packard) to conduct classroom experimental exercises over the internet using VT's wireless access.
- "Using Our WITS: Adapting Research Experiments for Teaching Economics." Diggs Teaching Scholar Roundtable, September 10, 2004.
- Group Facilitator, presenter for "Experiments Improve Learning in Large Principles Classes: Using Our WITS," and co-author for "Asymmetric Information and the Incentive for Fraud: The Endrun Game." NSF Sponsored Workshop on Classroom Experiments in Economics." The purpose of this workshop is to instruct people how to teach using experiments.

### 4. Student Enrollment

Tables 1 and 2 present information on class enrollments for the past five years. Table 1 shows weighted student credit hours (WSCH) for academic years for the first three years, and calendar years 2003 and 2004, which include Spring, Summer, and Fall semesters. Table 2 shows condensed information on student headcounts for academic years for the first three years, and calendar years 2003 and 2004, which include Spring, Summer, and Fall semesters.

Table 1. Weighted Student Credit Hours: AY and CY Totals

	1999-2000 <sup>1</sup>	2000-2001 <sup>2</sup>	2001-2002 <sup>3</sup>	2002-2003 <sup>4</sup>	2003 <sup>5</sup>	2004 <sup>6</sup>
<b>Total</b>	20,606	24,360	25,807	26,628	26,710	23,281

Table 2. Academic and Calendar Year Enrollments

	1999-2000 <sup>7</sup>	2000-2001 <sup>8</sup>	2001-2002 <sup>9</sup>	2002-2003 <sup>10</sup>	2003 <sup>11</sup>	2004 <sup>12</sup>
Principles (# sections)	4295 (25)	4641 (25)	4365 (21)	4546 (23)	4,617 (29)	4,405 (28)
3000 - level (# sections)	566 (14)	811 (19)	895 (22)	753 (15)	929 (26)	753 (27)
4000 - level (# sections)	440 (15)	491 (13)	653 (21)	884 (23)	825 (23)	474 (20)
Graduate (# sections)	296 (22)	386 (23)	384 (25)	271 (21)	311 (45)	238 (38)

<sup>1</sup> Source: Teaching Load Reports, WSCH Fall 1999 + Spring 2000.

<sup>2</sup> Ibid., WSCH Fall 2000 + Spring 2001.

<sup>3</sup> Ibid., WSCH Fall 2001 + Spring 2002.

<sup>4</sup> Ibid., WSCH Fall 2002 + Spring 2003.

<sup>5</sup> Ibid., WSCH Spring 2003 + Summer 2003 + Fall 2003.

<sup>6</sup> Ibid., WSCH Spring 2004 + Summer 2004 + Fall 2004.

Fall 2004, our Principles Coordinator, Dr. Mark McLeod, left the Department to take a position at The Pennsylvania State University. He was the primary instructor of our two Principles of Economics courses, ECON 2005 and ECON 2006. He served as mentor to the graduate student instructors and managed the Economics Tutoring Center. His departure left a large void to fill.

## **GRADUATE PROGRAM**

In Spring 2004, the Department had a total of 25 graduate students enrolled in the Ph.D. program (21 with assistantships and four without). The class breakdown was nine first year students, four second year students, five third year students, and seven students in their fourth or later years.

In Fall 2004, the Department had a total of 28 graduate students enrolled in the Ph.D. program (23 with assistantships and five without). The class breakdown was 10 first year students, five second year students, four third year students, and nine students in their fourth or later years.

In addition to the students enrolled through the Department of Economics, Agricultural and Applied Economics (AAEC) had approximately 47 students enrolled in the Ph.D. program.

### **1. Graduate Enrollment**

Recent course enrollments are reported in Section II with the undergraduate data.

### **2. Graduate Degrees Awarded**

The department graduated five Ph.D. students in 2004.

**Narine Badasyan**, “Game Theoretic Models of Connectivity Among Internet Access Providers,” (Robert Gilles, Committee Chair).

**Subhadip Chakrabarti**, “Network Formation and Economic Applications,” (Robert Gilles and Hans Haller, Committee Co-chairs).

**Rushad Faridi**, “Microcredit Programs in Bangladesh: Evaluation of Women's Success,” (Dennis Yang, Committee Chair).

**Mana Komai**, “An Economic Theory of Leadership,” (Catherine Eckel, Committee Chair).

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<sup>7</sup> Ibid., WSCH Fall 1999 + Spring 2000.

<sup>8</sup> Ibid., WSCH Fall 2000 + Spring 2001.

<sup>9</sup> Ibid., WSCH Fall 2001 + Spring 2002.

<sup>10</sup> Ibid., WSCH Fall 2002 + Spring 2003.

<sup>11</sup> Ibid., WSCH Spring 2003 + Summer 2003 + Fall 2003.

<sup>12</sup> Ibid., WSCH Spring 2004 + Summer 2004 + Fall 2004.

**Davood Souri**, “Theoretical and Applied Essays on the Instrumental Variable Method,” (Djavad Salehi-Isfahani, Committee Chair).

### 3. Curriculum Changes and Program Development

#### **Deborah Mayo**

- Refer to the section titled Course and Teaching Development/Technology under the Undergraduate Program for ECON 5984 SS: Philosophy of Science and Economics.

#### **Marcelo Mello**

- ECON 5015 Money and Price Level changed substantially from the previous year in order to make teaching more effective. Dr. Mello spent 6-7 weeks developing a basic macro model so that the students could appreciate macroeconomic questions within a basic stylized model. Adopting this strategy also allowed him to introduce more advanced topics as natural extensions of the basic macro model. This seemed to have worked well. He is also in the process of writing lecture notes on several of the topics he covers, since there are no textbooks that are tailored exactly for his objectives.

#### **Aris Spanos**

- Prepared a new course, ECON 5126 Empirical Methods in Econometrics by writing extensive notes (over 400 pages) to supplement the assigned textbook.

### 4. Graduate Student Job Placement

**Narine Badasyan**: Murray State University, Murray, Kentucky, Tenure Track Assistant Professor, Economics.

**Subhadip Chakrabarti**: University of Bonn, Bonn, Germany, Post-doctoral Research Fellow, Economic Theory II.

**Rushad Faridi**: Wake Forest University, Winston-Salem, North Carolina, Visiting Assistant Professor, Economics.

**Maria Heracleous**: American University, Washington, D.C., Tenure Track Assistant Professor, Economics.

**Mana Komai**: St. Cloud State University, St. Cloud, Minnesota, Tenure Track Assistant Professor, Economics.

**Mark McLeod**: Pennsylvania State University, State College, Pennsylvania, Senior Lecturer, Economics.

**Davood Souri**: Sharif University, Tehran, Iran, Assistant Professor, Management and Economics.

## 5. Graduate Program Assessment

Our graduate program continues to make steady progress and we can now see the benefits of the work to revamp our Ph.D. program, which began in 1999. All our Ph. D. students have been gainfully employed, mostly in academic positions, and the department is beginning to establish a reputation in specific fields helping our graduates to place in good universities. Unfortunately, the steady reduction in faculty positions is threatening to negate this important success.

## FACULTY PUBLICATIONS

### 1. Papers Published in Peer-Reviewed Journals during the 2004 Calendar Year

Ball, S.B., and **Eckel, C.C.**, (2004), Using Technology to Facilitate Active Learning in Economics Through Experiments. *Social Science Computer Review*, 22(4), 469-478.

**Eckel, C.C.**, (2004), Vernon Smith, Nobel Laureate: Economics as a Laboratory Science. *Journal of Socio-Economics*, 33:15-28.

**Eckel, C.C.**, and Grossman, P.J., (2004), Giving to Secular Causes by the Religious and Nonreligious: An Experimental Test of the Responsiveness of Giving to Subsidies. *Nonprofit and Voluntary Sector Quarterly*, 33(2), 271-289.

**Eckel, C.C.**, and Wilson, R.K. (2004), Is Trust a Risky Decision? *Journal of Economic Behavior and Organization*, 55(4), 447-465.

Neel, J., Reed, J.H., and **Gilles, R.P.**, (2004), Game Models for Cognitive Radio Algorithm Analysis. *Proceedings of the SDR Forum Technical Conference*, Phoenix, November.

**Gilles, R.P.**, Chakrabarti, S., Sarangi, S., and Badasyan, N., (2004), Middlemen in Peer-to-Peer Networks: Stability and Efficiency. *Proceedings of the Second Workshop on the Economics of Peer-to-Peer Systems*, Harvard University, Cambridge, June.

**Gilles, R.P.**, and Diamantaras, D., (2004), On the Microeconomics of Specialization. *Journal of Economic Behavior and Organization*, 55, 223-236.

**Mayo, D.G.**, and **Spanos, A.**, (2004), When Can Risk-Factor Epidemiology Provide Reliable Tests? Commentary. *Epidemiology*, 15, 527-528.

**Mayo, D.G.**, and **Spanos, A.**, (2004), Methodology in Practice: Statistical Misspecification Testing. *Philosophy of Science 71, Symposia Proceedings, Philosophy of Science Association 2002 Meeting*, 1007-1025.

Pitt, J.C., **Salehi-Isfahani, D.**, and Eckel, D., (2004), Introduction. *American Journal of Economics and Sociology*, 62(5), 1-18. Special Issue on the Production and Diffusion of Public

Choice Political Economy: Reflections on the VPI Center, edited by Pitt, J.C. and **Salehi-Isfahani, D.**, and Eckel, D.

**Tideman, N.**, (2004), Secession as a Human Right. *Journal of Moral Philosophy*, 1.1, 9-19.

**Tideman, N.**, and Plassmann, F., (2004), Frank H. Knight: Nemesis from the Chicago School. *The American Journal of Economics and Sociology*, 63, 381-409. Reprinted in Robert Andelson (ed.), *Critics of Henry George*, Blackwell, 2004.

Plassmann, F., and **Tideman, N.**, (2004), Frank Knight's Proposal to End Distinctions among Factors of Production and His Objection to the Single Tax, *History of Political Economy*, 36, 507-21.

**Yang, D.T.**, (2004), Education and Allocative Efficiency: Household Income Growth during Rural Reforms in China. *Journal of Development Economics*, 74 (1), 137-162.

**Yang, D.T.**, and Chen, D., (2004), Transformations in China's Population Policies and Demographic Structure, *Pacific Economic Review*, 9(3), 269-290.

## 2. Papers Accepted at Peer-Reviewed Journals during the 2004 Calendar Year

**Cothren, R.**, A Model of Optimal Legal Restrictions and Open Market Operations. Forthcoming in *Journal of Macroeconomics*.

Ball, S.B., **Eckel, C.C.**, and Rojas, C., (2006), Technology Improves Learning in Large Principles of Economics Classes: Using Our WITS. *American Economic Review*, Papers and Proceedings, in press.

**Eckel, C.C.**, Grossman, P.J., and Johnston, M., (2005), An Experimental Test of the Crowding Out Hypothesis. *Journal of Public Economics*, in press. (page proofs corrected, available online)

**Eckel, C.C.**, Johnson, K.J., and Montmarquette, C., (2005), Saving decisions of the working poor: short- and long-term horizons. Forthcoming, *Field Experiments in Economics: Research in Experimental Economics*, Volume 10, edited by Jeff Carpenter, Glenn W. Harrison, and John A. List, (Greenwich, CT: JAI Press) (page proofs corrected).

Raa, T.ten, and **Gilles, R.P.**, Lindahl Equilibrium and Schweizer's Open Club Model with Semi-Public Goods. Forthcoming in *Mathematical Social Sciences*.

**Gilles, R.P.**, and Diamantaras, D., New Classical Economics: Toward a new paradigm for economics? Forthcoming in *Division of Labor and Transaction Costs: A Journal of the Society of Inframarginal Economics*.

Slikker, M., **Gilles, R.P.**, Norde, H., and Tijs, S., (2005), Directed Networks, Payoff Properties, and Hierarchy Formation. *Mathematical Social Sciences*, 49, 55-80.

**Haller, H.**, and Sarangi, S., Nash Networks with Heterogeneous Links. Forthcoming in *Mathematical Social Sciences*.

**Hilmer, M.**, and Gonzalez, A., The Role of Two-Year Colleges in the Improving Situation of Hispanic Postsecondary Education. Forthcoming in *Economics of Education Review*.

**Hilmer, M.**, Sandy, J., and Gonzalez, A., A Oaxaca Decomposition of the Effect of Two-Year College Instruction on the Likelihood of College Graduation. Forthcoming in *Economics of Education Review*.

**Hilmer, M.**, and Hilmer, C., On the Return to Journal Quality and Coauthorship Within Top Ranked Agricultural Economics Programs. Forthcoming in *American Journal of Agricultural Economics*.

**Mayo, D.G.**, (2005), Peircean Induction and the Error-Correcting Thesis. *Transactions of the Charles S. Peirce Society*, (R. Mayorga, guest editor).

**Mayo, D.G.**, and Cox, D. R., (2005), Frequentist Statistics as a Theory of Inductive Inference. *Proceedings of The Second Erich L. Lehmann Symposium, vo. lxx, Institute of Mathematical Statistics (IMS), Lecture Notes-Monograph Series*.

**Mayo, D.G.**, and **Spanos, A.**, (2005), Severe Testing as a Basic Concept in a Neyman-Pearson Philosophy of Induction. Forthcoming in *The British Journal for the Philosophy of Science*.

**Salehi-Isfahani, D.**, (2005), Human resources in Iran: potentials and challenges. *Iranian Studies*, 37(1), 117-147.

**Salehi-Isfahani, D.**, (2005), Comment on Rima Khalaf Hunaidi's 'Reform in Hindsight: Promises and Illusions in Jordan'. Forthcoming in *Practitioners in Development*, World Bank, April.

**Spanos, A.**, (2005), Where Do Statistical Models Come From? Revisiting the Problem of Specification. Forthcoming in *The Second Erich L. Lehmann Symposium, vol. ##, Institute of Mathematical Statistics, Lecture Notes-Monograph Series*.

**Spanos, A.**, and Heracleous, M., (2005), The Student's t Dynamic Linear Regression: Re-examining Volatility Modeling. *Advances in Econometrics. Special volume honoring the 2003 Nobel prize winners in Economics: Clive Granger and Rob Engle*, forthcoming.

Li, W., and **Yang, D. T.**, The Great Leap Forward: Anatomy of a Central Planning Disaster. *Journal of Political Economy* (in press).

**Yang, D.T.**, Determinants of Schooling Returns during Transition: Evidence from Chinese Cities. *Journal of Comparative Economics* (in press).

**Yang, D.T.**, On the Economic Analysis of China's Great Leap Forward. *China Journal of Economics* (in Chinese; in press).

### **3. Book Chapters and Other Scholarly Outlets. Published or Accepted for Publication during the 2004 Calendar Year**

**Mayo, D.G.**, (2004), An Error-Statistical Philosophy of Evidence. *The Nature of Scientific Evidence: Statistical, Philosophical, and Empirical Considerations*, edited by Taper, M., and Lele, S., Chicago: University of Chicago Press, 79-118.

**Mayo, D.G.**, (2005), Evidence as Passing Severe Tests: Highly Probed vs. Highly Proved in P. Achinstein (ed.), *Scientific Evidence*, Johns Hopkins University Press.

**Mayo, D.G.**, (2005), Values and Evidence in Science-Based Policy. *Handbook on Environmental Philosophy*, edited by Shrader-Frechette, K., Oxford University Press.

**Spanos, A.**, (2005), Econometrics in Retrospect and Prospect. Chapter 1 (62 pages) of the new *Palgrave Handbook of Econometrics, vol. I, Theoretical Econometrics*.

**Tideman, N.**, (2004), The Demand-Revealing Process. *Encyclopedia of Public Choice*, edited by Rowley, C., and Schneider, F., Kluwer. [Page numbers unknown. Has not seen the published encyclopedia—it costs 431 Euros. The manuscript was 8 pages.]

**Yang, D.T.**, and Chen, W., Policy Reform, Private Enterprises, and Rural Household Earnings. *In Private Enterprise and Economic Development in China*, edited by Lin, S., World Scientific Press (in press).

## **PRESENTATIONS/INVITED TALKS**

Department faculty presented their research at 74 conferences/invited seminars.

## **NEW EXTERNAL GRANTS**

### **Catherine Eckel**

- “Experimental Measures of Preferences to Augment Survey Research.” 10/04 – 4/06. PI, with Co-PIs David K. Levine, Duncan Thomas, V. J. Hotz, William R. Zame. *National Science Foundation*, SGER, \$88,000. (SES-0443708).
- “Incorporating Experimental Measures of Preferences into Survey Research.” PI, with Senior Personnel: V. Joseph Hotz, Cathleen Johnson, David Levine, Cesar Martinelli, Susan Parker, Luis Rubalcava, Seth Sanders, Graciela Teruel, Duncan Thomas, William Zame. Funded by the Network on Preferences and Norms, John D. and Catherine T. MacArthur Foundation., \$113,000. January, 2005 – July, 2005.

## DEPARTMENT SEMINARS AND CONFERENCES

The department continued its twice-a-week seminar series with some distinguished outside speakers as well as Economics faculty. We also intensified our efforts to have small conferences at the Virginia Tech campus. In addition to the Buchanan 2005 Colloquium, two other conferences have been scheduled for June 2005 and June 2006; all financed by outside money.

## FACULTY SERVICE

### 1. Diversity Initiatives

#### Sheryl Ball and Catherine Eckel

- Developed an instrument to study discrimination between university students based on gender and ethnicity. This research was funded by a Virginia Tech "Diversity" grant. They found that Virginia Tech students do discriminate against others and that students are able to predict the patterns of discrimination. This research will be presented on campus as part of the university's effort to increase multicultural awareness.

### 2. Public Service/Outreach

#### Richard Ashley

- Served on the Ph.D. committees of the following students: Cheng (AAEC) and Rusticelli (University of Bologna).

#### Robert Gilles

- Advisor to James Neel, a Ph.D. student in the Mobile and Portable Radio Group (MPRG) of the Bradley Department of Electrical and Computer Engineering. Dr. Gilles and Mr. Neel have cooperated on several short papers, which were published in conference proceedings.
- Working with Emiliya Lazarova (Tilburg University) on network economies.
- Serving on dissertation committee of Ramakant Komali (MPRG), and advising him on the use of appropriate game theoretic techniques.
- Served as a member of the Master's defense committee of Samir Ginde (MPRG) and advised him on the application of game theory to models of link mobility in wireless networks.

#### Nancy Lutz

- Active with the Committee on the Status of Women in the Economics Profession. ADVANCE and the NSF Economics Program are co-funding a series of mentoring workshops for junior women economists.
- Attended the Southern Regional Workshop in November 2004 where she participated as a mentor.
- Attended the Southern Economic Association Meetings in November 2004 and met with groups of experimental economists and industrial organization economists to discuss NSF opportunities. At the Allied Social Science Association Meetings (January 2005) she gave a

presentation on the NSF's Graduate Fellows Program. She also wrote a brief article based on that presentation for the new Economics Program Newsletter.

#### **Deborah Mayo**

- Gave seminars on "The Philosophy of Statistics and Philosophy of Science" to groups of Korean graduate students from Sungkyunkwan University, visiting the Economics Department for a one month graduate course in Applied Econometrics, taught by Aris Spanos.

#### **Marcelo Mello**

- Coached a group of 10 students for the November 2004 Fed Challenge Competition promoted by the Richmond Fed.
- Serves on dissertation committee of Fuzhi Cheng (AAEC), Yan Liang (AAEC), Xiang Xue (AAEC), and Chengqiu Wu (Political Science and Urban Planning).

#### **Djavad Salehi-Isfahani**

- Radio interview, "The Skyrocketing Cost of Oil," *With Good Reason*, a 30-minute weekly program of the Virginia Foundation for the Humanities, aired on WVTF FM radio, June 12, 30 minutes. Discussed the economics and politics of the oil market (with an ODU Political Science Professor), at <http://www.withgoodreasonradio.org/archives/jun04wgr.html>.
- Several interviews with Radio Free Europe/Radio Liberty, BBC Persian program and Radio France Internationale related to his past research on the oil market and current research on the Iranian Economy.
- Interviewed with Al-Ahram Weekly (Egyptian paper) reporter, Ibtissam Zayed, about Iran's economy, and was quoted in the article he subsequently published February 27, 2004 (in French).

#### **Aris Spanos**

- Taught a month-long intensive course to 25 visiting graduate Korean students (Dept. of Economics, SungKyunKwan University) on Applied Econometrics. This was a revised version of the course taught to around 20 graduate students from the same university during the same period 2001-2003.
- Serves as President of the International Academic Committee on Cyprus, which is a body of 17 Cypriot Academics from all over the World, meeting regularly in Cyprus to discuss issues pertaining to Cyprus and make policy recommendations and advise the government of Cyprus.

#### **Nicolaus Tideman**

- Served on the dissertation committee of Andrew Johns (AAEC).
- Served as a member of the Board of Directors of the Robert Schalkenbach Foundation.

#### **Dennis Yang**

- Served on the dissertation committee of Fuzhi Chen (AAEC).

### **3. College/University**

#### **Richard Ashley**

- Served on the College of Science Governance Committee.

- Served on the AAEC Department Head Search Committee.
- Served on University Council.

#### **Catherine Eckel**

- University Advance Professor and member of the leadership team for the NSF-Funded Advance project and was involved in various projects designed to increase the participation of women in science and engineering at Virginia Tech.
- Director, Laboratory for the Study of Human Thought and Action.
- Served on the Aspires review panel.
- Served on the College of Science Promotion and Tenure Committee.
- Served on the AAEC/ECON Cluster Hiring Committee.

#### **Robert Gilles**

- Representative of the Economics Department on the Curriculum Committee of the College of Science.

#### **Hans Haller**

- Served on the AAEC/ECON Cluster Hiring Committee.

#### **Mike Hilmer**

- Scholarship Reviewer for the College of Science.

#### **Amoz Kats**

- Served as a Counselor in the University Honor System.

#### **Deborah Mayo**

- Organized and held two reading groups (with Aris Spanos) including graduate students and faculty from philosophy, economics, and STS on philosophy of science and economic methodology.

#### **Djavad Salehi-Isfahani**

- Served on the Graduate School Commission on Graduate Studies and Policies.
- Served as Chair of the Search Committee for the position in Islamic Studies, in the Center for Interdisciplinary Studies.

#### **Aris Spanos**

- Serves as Treasurer of Phi Beta Delta.
- Served as co-chair of two dissertation committees for Jason Bergtold, and Ebere Akobundu (AAEC); both completed in 2004. Bergtold's Ph. D. thesis won the American Agricultural Economics Association "Outstanding Dissertation Award."
- Served as co-chair of a Master's thesis by Jennifer Ames (AAEC)

#### **Nicolaus Tideman**

- Served on the College Honorifics Committee, evaluating candidates and attending meetings.

**Dennis Yang**

- Member, Cluster Hiring Committee of the College of Science.

**4. Professional Service**

**These faculty served as Associate Editor or on the Editorial Board of the following journals:**

**Catherine Eckel**

- The New Palgrave Dictionary of Economics, 2<sup>nd</sup> Edition
- Journal of Economic Behavior and Organization
- Journal of Economic Psychology
- Journal of Socio-Economics
- Experimental Economics
- Journal of Regulatory Economics
- Southern Economic Journal

**Robert Gilles**

- Division of Labor and Transaction Cost: A Journal of the Society of Inframarginal Economics

**Hans Haller**

- The Manchester School of Economics
- International Game Theory Review

**Mike Hilmer**

- Economics of Education Review

**Deborah Mayo**

- Journal of Economic Methodology
- Risk: Health, Safety, and Environment

**Aris Spanos**

- Econometric Reviews

**Dennis Yang**

- China Economic Review
- Comparative Economic Systems
- Pacific Economic Review

Members of the faculty refereed for scholarly journals.

**5. Other Professional Service:****Catherine Eckel**

- Review Panel, National Science Foundation, Human and Social Development Competition.

- Committee on the Status of Women, CEMENT mentor, American Economic Association.
- North American Vice President, Economic Science Association.
- President-Elect, Southern Economic Association.
- Core Member, Network on Preferences and Norms, an interdisciplinary group sponsored by the John D. and Catherine T. MacArthur Foundation.
- Member of Executive Board, CASSEL: California Social Science Experimentation Lab at UCLA.
- Session Organizer, Development Economics and Experimental Research, 2006 ASSA Meetings.

### **Robert Gilles**

- Reviewer for the Netherlands Organization for Scientific Research (NWO).
- Reviewer for the National Science Foundation (NSF).
- Actively organizing, with colleagues, a program session to present papers on modeling of consent in social network formation at an international conference in economics and game theory.

### **Amoz Kats**

- Co-organizer of an international workshop in Botany and the award of a prize in memory of Professor Eitan Harel, at the Hebrew University in Jerusalem.

### **Deborah Mayo**

- Member of the Lakatos Prize Award Committee. Members of this committee must read and review books nominated for the Lakatos Prize in philosophy of science, and write reports on each to be forwarded to the Selection Committee.
- Member of the International Congress of Scientific Unions (ICSU). She was elected to serve as the U.S. representative to a newly formed ad hoc “Ethics Review” Committee to carry out a strategic review of “The Responsibilities of Science and Society”. The charge for this international, multi-disciplinary group is to define future directions and activities for ICSU. The committee is currently modifying the final draft of a 50 page report: "Science and Society: Rights and Responsibilities", which will be published and circulated within the ICSU membership (101 national science bodies and 27 international Unions) and beyond.
- Organized a session on Philosophy of Statistics for the Second Erich Lehmann Symposium, May 22, 2004. The goal was to supplement the statistical discussions with considerations of foundational issues. She, D. Freedman (Berkeley) and D.R. Cox (Oxford) gave presentations.
- Organizing a *Workshop on the Philosophy and Methodology of Experimental Economics*, to be held June 27-29, at Virginia Tech; co-organizers at Virginia Tech: A. Spanos, S. Ball, C. Eckel.
- Organizing, with Aris Spanos, a conference: *First Symposium on Foundational and Methodological Studies of Experimental Reasoning, Reliability, Objectivity, Rationality (E.R.R.O.R.) in Science, Statistics, Modeling* (tentative dates) June 2-5, 2006, Virginia Tech.
- Reviewed a manuscript for Cambridge University Press.

### **Djavad Salehi-Isfahani**

- Served on the ERF 11<sup>th</sup> Annual Conference Program Committee.
- Reviewer for grant proposals, Global Development Network.

- Member, Board of Trustees, Economic Research Forum, a network of Middle East economists, supported by international organizations. Attended two meetings, chaired the Board meeting, and delivered the welcome speech for the conference in Beirut.
- Member, sub-committee of the Board of Trustees, Economic Research Forum, to evaluate the Managing Director.
- Launched a project to set up a chapter of the ERF in Iran. After meeting with donors in California and Tehran, drafted an agreement of cooperation between ERF and Iran's leading university, Sharif University of Technology, for consideration by the ERF Board at its meeting in May 2005 in Kuwait.
- Initiated and organized a panel and a dinner in honor of two architects of Iran's economic growth in the 1960s, to take place during the biannual conference of the International Society for Iranian Studies, August 2-5, 2006, London.

### **Aris Spanos**

- Organized and participated in the 2004 Buchanan Colloquium, entitled: *Terrorism in the 21<sup>st</sup> Century*.
- Organized the 2004 *James M. Buchanan lectures* delivered by Prof. Charles Plott, California Institute of Technology.
- Co-editor of the *Series of Advanced Studies in Theoretical and Applied Econometrics (ASTA)*, published by Springer.
- Reviewed the book by A. Hall (2005), *Generalized Method of Moments*, for Oxford University Press.
- Reviewer for the National Science Foundation (NSF).

### **Dennis Yang**

- Co-organizer for a session on "Returns to Education in Transitional Labor Markets" in the American Economists Association Annual Conference.

## **HONORS AND AWARDS**

### **Sheryl Ball and Catherine Eckel**

- X-Caliber Award: University award for innovation in teaching technology, Virginia Tech, with Scott Midkiff.
- Diggs Teaching Scholar Award: University award for integrating teaching and research, Virginia Tech.

### **Robert Gilles**

- With co-authors, Jody Neel and Jeff Reed, selected as recipient of the *Outstanding Paper Award* of the SDR Forum for the paper "On the Role of Game Theory in the Analysis of Software Radio Networks" presented at the 2002 SDR Forum Technical Conference. Awarded for the paper's "contribution to the quantitative analysis of the interaction of a large number of radios in a network".

### **Hans Haller**

- Graduate Teacher of the Year, Department of Economics.

- Researcher of the Week, Virginia Tech. Week of October 25.
- Who's Who in the World.

**Nancy Lutz**

- National Science Foundation Performance Award for her contributions to the Human and Social Dynamics Initiative.

**Dennis Yang**

- Undergraduate Teacher of the Year, Department of Economics.
- Nominated by the Board of Directors of the World's Association for Comparative Economic Studies (ACES) to run for the society's Executive Committee member.