DEPARTMENT OF COMPUTER SCIENCE

AWARDS CEREMONY 2014

WEDNESDAY, APRIL 30 4:00 PM

**Welcoming Remarks and Awards Presentation
Prof. Samir Khuller**

Faculty Accomplishments, Honors and Awards

Bill Arbaugh, Associate Professor Emeritus, has been named the Keynote speaker at INFILTRATE 2014 conference.

Ben Bederson has been named the New Associate Provost of Learning Initiatives and Executive Director of the newly established Teaching and Learning Transformation Center, which "will be the hub on campus that brings together support, incentives, infrastructure, assessment, and innovation for the University's educational mission."

Bonnie Dorr, Prof. Emeritus has been elected as an AAAI Fellow for significant contributions to natural language understanding and representation, and development of the widely recognized methods for interlingual machine translation. Prof. Bonnie Dorr also presented her research on human language technologies at the DARPA Congressional Tech Showcase to an audience that included members of Congress and several committees including the U.S. Senate Committee on Armed Services.

Ramani Duraiswami was recently given an award by University Ventures.

Fawzi Emad and Michelle Hugue received the Phillip Merrill Faculty Mentor Award.

Jon Froehlich received the Maker Faire Inventor in Our Midst Award.

Lise Getoor has been elected as an AAAI Fellow, for her significant contributions to methods which combine probabilistic and logical representations in machine learning, knowledge discovery, graph mining, network analysis, and database systems.

David Jacobs' LeafSnap application, which allows users to identify flora with their mobile phones, was recently mentioned in a New York Times article about useful technology for nature hikes.

Jonathan Katz has been awarded the 2014 Influential Marylander Award.

Atif Memon has been awarded the "Retrospective Award" most influential paper of the 2003 WCRE papers.

Dana Nau has been elected as a ACM Fellow for contributions to automated search and planning.

Jan Plane was presented the 2014 Women in Technology Social Change Award at the 15th Annual Women in Technology Leadership ceremony; Women in Technology is a Washington-D.C. area women's technology community organization.

Adam Porter's "Programming Mobile Applications for Android Handheld Systems" in a 8 week MOOC has generated the most revenue ($350-400K) of any course on Coursera by a factor of 2.5. It is also the second largest course (with 210,000 students registered at any given time) to ever run on the platform.

William Pugh, Prof. Emeritus received the ACM/IEEE super computing "Test of Time" award.

Hanan Samet has been awarded the title of University of Maryland Distinguished University Professor and was named 2014 UCGIS Fellow. He was also named the 2014 winner of the IEEE W. Wallace McDowell Award.

Elaine Shi was selected as a Sloan Research Fellow. She also received a Google Faculty Research Award on "Truly Practical Dynamic Proofs of Retrievability."

Ben Shneiderman has been awarded the title of University of Maryland Distinguished University Professor and was selected the Graduate Faculty Mentor of the Year. His research with Catherine Plaisant and their research team resulted in a Distinguished Paper Award at the American Medical Informatics Association Conference in Washington D.C. for "Twinlist: Novel User Interface Designs for Medication Reconciliation."

G. W. (Pete) Stewart, Distinguished University Prof. Emeritus, received the Mathematics and Computer Science award from the Washington Academy of Sciences.

V.S. Subrahmanian co-authored Indian *Mujahideen: Computational Analysis and Public Policy*. The book presents the 'Policy Computation Algorithm', a collection of policy analysis methods that can be used to predict terror attacks, by analyzing data from text messages and social media posts.

Promoted to Full Professor July 2013

Lise Getoor

Michael Hicks

Jonathan Katz

Promoted to Associate Professor July 2013

Hal Daume

Promoted Lecturer July 2013

Evan Golub was promoted to Sr. Lecturer

New Faculty Members

Zia Khan

David Van Horn

Excellence in Teaching

Students recognized the following faculty members and TAs for their teaching excellence:

Professorial Faculty

Mike Hicks   **Chau-Wen Tseng**

Graduate Teaching Assistant

Khoa Ha

Undergraduate Teaching Assistants

Ilse Haim   **Angel Plane**

Staff Awards

Semi-Annual Award for Exemplary Service to the Department

Todd Holden   **Jodie Gray**

New Staff Members

Charles Kassir

Elissa Redmiles

Jeanine Worden

Upsilon Pi Epsilon Membership

Emily Jones
Joseph Owen
Daniel Rabinovich
Eliana Vornov

Undergraduate Students' Honors and Awards

Department Undergraduate Scholars

(4.0 GPA CS majors at/beyond "Sophomore Level")

Alex Alberg	Raja Ratna Murthy Ayyagari
Fang Cao	Aaron David Dugatkin
Jeremy Fallick Ozymandias	Geoffrey Chuenbo Ji
Albert Koy	Ryan ShihYin Kuo
Victoria Lai	Michael Benjamin Roberts
Jason Tyler Rubin	Mihai Sirbu
Luke Taylor Valenta	Nathan Rong-hua Yang

ACM Student Chapter President

Jennifer Choudhry

Association for Women in Computing Co-Chairs

Undergrad: Aboli Kumthekar and Amy Malone

Grad: Aishwarya Thiruvengadam and Preeti Bhargava

CS Departmental Scholarship Awards 2013 – 2014

Brian Lyons Computer Science Endowed Scholarship

Michael Tontchev

Christopher David Malter Memorial Scholarship

Ryan Dorson

Chevy Chase Bank Dean's Scholarships

Raja Ayyagari   **Albert Koy**

Raj Khera and Tripti Sinha Scholarship

Chunxing Yin

Guy A. Wassertzug/InfoStructures, Inc. Scholarship

Halley Weitzman

The Jeffrey C. and Sandra W. Huskamp Endowed Computer Science Scholarship

Lukas Zhupa

AFCEA-Bethesda Chapter Scholarships

Anupam Ghosh   **Theo Lorrain-Hale**

The David E. Eisner and Family Scholarship

Ian Sweet

The Tony and Diana Chen Computer Science Scholarships

Mitchell Arnett   **Michael Eleff**

Baris Gokpinar

Fig Leaf Software Drucker/Gallerizzo Computer Science

Jerome Kelman   **Jason Rubin**

John D. Gannon Awards

John D. Gannon Scholarships

In honor of a former Chair of Computer Science, Dr. John Gannon, these scholarships provide recognition and financial support to outstanding advanced undergraduate students within the department. The awards are based upon students' academic merit as well as their aptitude for and commitment to teaching and research.

Omar Ahsan	**Alex Alberg**
Mason Bedard	**Tim Crawford**
Matthew Demers	**Aaron Dugatkin**
Daniel Albarnaz Farias	**Jordan Goldstein**
Gedalia Kott	**Youcef Moumena**
Paige Nelson	**Joel Samelson**
Jeffrey Wang	**Joan Zhang**

John D. Gannon Portal Awards

These scholarships recognize outstanding computer science undergraduates early in their studies. The awards are given to outstanding undergraduate students based on academic merit who have demonstrated aptitude for and commitment to teaching and research.

Chowdhury Barua	**Ryan Eckenrod**
Maria Furman	**Andrew Liu**

Boeing Scholarship

Joel Wang

ManTech International Scholarships

Kevin Bock Franz Payer

Leah Xu Margaret Gratian

Dante Scholarship for Innovation Fall 2013

Weishin (Victor) Chen

Appian Scholarship Fall 2013

Jeremy Fallick

Booz Allen Hamilton Scholarship Fall 2013

Kyle Nisson

Computer Science Partners in Computing Scholarships

Paige Nelson   **Joel Samelson**

Sarah Reehl Scholarship

Aboli Kumthekar

Andrew Reisse Memorial Scholarship

Corey Lowman   **Zachary Siegel**

Goldwater Scholar

Geoffrey Ji has been named a 2014 Goldwater Scholar and CS undergrad **Daniel Albarnaz Farias** has been named an Honorable Mention for the 2014 Goldwater Scholarship.

NSF Fellows

Emily Jones   **Richard McCutchen**

Graduate Students' Honors and Awards

Graduate Fellowships and Awards:

Anid Aboud, Fulbright Fellowship, 2013-2014

Preeti Bhargava, Palantir Scholarship for Women in Technology, 2014

Snigdha Chaturvedi, IBM PhD Fellowship, 2014

Rajesh Chitnis, Simons Foundation grant for "New Techniques and Applications of Parameterized Complexity," 2013

Kotaro Hara, IBM Ph.D. Fellowship, 2014

Angjoo Kim, UMD Graduate Student Summer Research Fellowship,

Vahid Liaghat, Ann G. Wylie Dissertation Fellowship.

Alex Malozemoff, National Defense Science & Engineering Graduate Fellowship, 2014

Mohammad Rastegari, Facebook Fellowship, 2014

Vikas Shivashankar, Kulkarni Summer Fellowship, 2013

Aaron Schulman has been awarded the SIGCOMM Doctoral Dissertation Award for Outstanding Ph.D. Thesis in Computer Networking and Data Communication. Aaron also received the Larry Davis Doctoral Dissertation Award for 2013 for "Observing and Improving the Reliability of Internet Last-Mile Links." Advisor: Neil Spring

Cheuk Yiu Ip received the Larry Davis Doctoral Dissertation Award for 2013 for "Towards Data-Driven Large-Scale Scientific Visualization and Exploration." Advisor: Amitabh Varshney

Rajesh Chitnis has been awarded CMNS Board of Visitors Outstanding Graduate Student Award for 2014.

Fang Cao has been awarded a Truman Scholarship.

Best Paper Awards:

Jeffrey Stuckman and Kent Wills (with Jim Purtilo), 7th International Symposium on Empirical Software Engineering and Measurement: "Evaluating software product metrics with synthetic defect data," 2013.

Hossein Esfandiari, Shangfu Peng, and Ang Li, UPE award - ACM International Programming Contest, 2013

Kotaro Hara (with Jon Froehlich and HCI research team), ASSETS' 13 Conference: "Improving Public Transit Accessibility for Blind Riders by Crowdsourcing Bus Stop Landmark Locations with Google Street View."

Jay Pujara and Hui Miao, International Semantic Web Conference, 2013: "Knowledge Graph Identification."

Rajesh Chitnis (co-author), European Symposium on Algorithms,2013: "List H-Coloring a Graph by Removing Few Vertices."

Marco Adelfio (with Hanan Samet), 7th ACM SIGSPATIAL Workshop on Geographic Information Retrieval 2013, "Structured Toponym Resolution Using Combined Hierarchical Place Categories."

Rajiv Jain (with Douglas Oard and David Doermann), 21st Document Recognition and Retrieval Conference, 2014: "Scalable ranked retrieval using document images."

Vikas Shivashankar, Dana Nau, and co-authors win ICAPS 2014 Outstanding Student Paper Award.

Best Poster Award:

Udayan Khurana (with Amol Deshpande), 29th International Conference on Data Engineering: "Efficient Snapshot Retrieval over Historical Graph Data."

Ph.D. Graduates 2013

SPRING

James Ryan Carr, Objective Solutions, Inc., Woodbine, MD

Daozheng Chen, Yahoo Inc., Sunnyvale, CA

Jagadeesh Jagarlamudi, IBM Research, Yorktown Hts., NY

Daehwan Kim, Postdoc, Johns Hopkins Univ., Baltimore, MD

Shivsubramani Krishnamoorthy, Asst. Prof., Amrita Univ., India

Derek Juba, NIST, Gaithersburg, MD

Qiang Qiu, Postdoc, Duke Univ., Durham, NC

Patrick Roos, Postdoc, UMCP

Sureyya Tarkan, Palo Alto Research Center Inc., Palo Alto, CA

SUMMER

Nima Asadi, Google, Mountain View, CA

Timur Chabuk, Perceptronics Solutions Inc., Falls Church, CA

Cody Dunne, IBM Research, Cambridge, MA

Radu Dondera, Microsoft, Sunnyvale, CA

Amit Goyal, Yahoo Inc., Sunnyvale, CA

John Guerra Gomez, Palo Alto Research Center Inc., Palo Alto, CA

Qi Hu, Facebook, Menlo Park, CA

Tugrul Ince, Intel Labs, Santa Clara, CA

Cheuk Ip, AT&T Labs Research, Bedminster, NJ

Yit Khoo, The MathWorks Inc., Natick, MA

Abhishek Kumar, IBM Research, Yorktown Hts., NY

Walaa Moustafa, Amazon Web Services, Herndon, VA

Eunhui Park, Research Associate, UMCP

Aaron Schulman, Postdoc, Stanford Univ., Palo Alto, CA

Sima Taheri, Digital Signal Corp., Chantilly, VA

Ferhan Ture, BBN Technologies, Columbia, MD

FALL

Vladimir Eidelman, Fiscal Note Inc., Washington, DC

Jayant Kumar, Xerox Innovation Group, Webster, NY

Fatemeh Mirashed, LivingSocial Inc., Washington, DC

Koyel Mukherjee, Xerox Research Centre India, Bangalore

Bao Nguyen, VM Ware Inc., Palo Alto, CA