



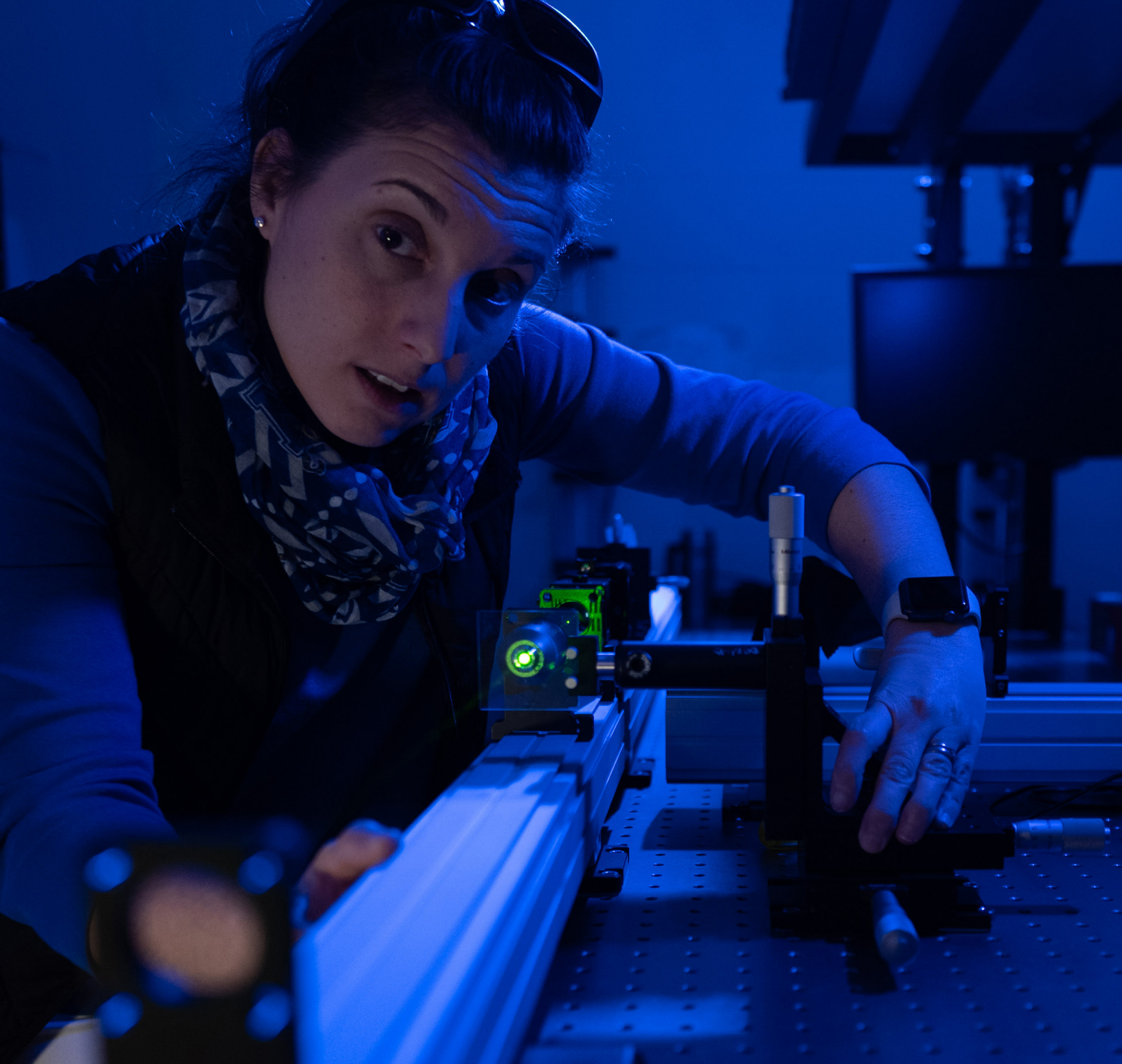
RESEARCH CELEBRATION

Highlighting research achievements;
Honoring first-time PIs and new PI Millionaires.

2023

April 6, 2023 | 2:30 PM

Maxine A. Smith University Center
River Room



A TENNESSEE FLAGSHIP
CARNEGIE R1 RESEARCH INSTITUTION

Welcome

Bill Hardgrave

President

University of Memphis

FY 2022 Achievements & Faculty Recognition

Jasbir Dhaliwal

Executive Vice President

Division of Research & Innovation

Arthur C. Graesser Presidential Award for Lifetime Achievement in Research

Dr. Dipankar Dasgupta

Class of 2023 PI Millionaires

This year's PI millionaires join 121 of their UofM colleagues
in achieving this prestigious designation.

#122

Tracy Collins

Loewenberg College of Nursing

#129

Eraina Schauss

Counseling, Educational Psychology & Research

#123

Ali Fatemi

Department of Mechanical Engineering

#130

Matthew Smeltzer

School of Public Health

#124

Melissa Hirschi

Department Of Social Work

#131

Steven West

Counseling, Educational Psychology & Research

#125

Marian Levy

School of Public Health

#132

Jeremy Whittaker

Loewenberg College of Nursing

#126

Kathryn Ramsey

Cecil C. Humphreys School of Law

#133

Kan Yang

Department of Computer Science

#127

John Sabatini

Institute for Intelligent Systems

#134

Todd Zoblotsky

Center for Research in Educational Policy

#128

Daniel Schaffzin

Cecil C. Humphreys School of Law



FY22 FIRST-TIME PRINCIPAL INVESTIGATORS

Career Services

Alisha Rose

College of Health Sciences

Tracy Bruen

Jacquelyn Pence

Chidambaram Ramanathan

Michelle Stockton

Department of Biological Sciences

Charles Kubicek

Department of Biomedical Engineering

Carl Herickhoff

Department of Civil Engineering

Farhad Jazaei

Department of Computer Science

Xiaolei Huang

Weizi Li

Christos Papadopoulos

Myounggyu Won

Kan Yang

Department of Criminology and Justice

Timothy McCuddy

Department of Earth Sciences

Youngsang Kwon

Department of English

Jerome Cusson

Department of Mathematical Sciences

Misty Freeman

Department of Mechanical Engineering

Daniel Foti

Department of Physics and Materials Science

Shawn Pollard

Joanne Rhodes

Department of World Languages and Literatures - Spanish

Adoracion Berry

Diana Ruggiero

Engineering Student Services & Diversity

Isaiah Surbrook

Department of Business Information and Technology

Huigang Liang

Napoleon Overton

Human Resources

Ryan Hall

Instruction and Curriculum Leadership

Thouraya Al-Nasser

Sandra Nichols

Loewenberg College of Nursing

Tracy Collins

Bradley Harrell

Larry Slater

Jeremy Whittaker

Public Safety Institute

William Gibbons

Rudi E. Scheidt School of Music

Josef Hanson

School of Public Health

Jennifer Turchi

School of Public Health

Yu Jiang

Abu Mohammed Naser Titu

Mark Hendricks

Student Academic Success

Ophrah Payne

FY22 RESEARCH PROFESSORSHIPS

As part of the University's push for top-tier Carnegie R1 status, the office of the Provost and the Division of Research & Innovation have partnered to celebrate research excellence on campus. As part of that recognition, they recently awarded twenty professorships to various UofM faculty. Those awarded include:

Andrew Olney | CAS, Institute For Intelligent Systems

Kathryn Howell | CAS, Psychology

Roger Kreuz | CAS, Psychology

Joy Goldsmith | CCFA, Communication & Film

Andre Johnson | CCFA, Communication & Film

Mary Wilson | CCFA, School of Music

Brandt Pence | CHS

Laura Casey | COE, Instruction and Curriculum Leadership

Gavin Bidelman | CSD

George Deitz | FCBE, Marketing and Supply Chain Management

Mark Gillenson | FCBE, Business Information and Technology

Jamin Speer | FCBE, Economics

Mihalis Gkolias | HCOE, Civil Engineering

Sabya Mishra | HCOE, Civil Engineering

Brian Waldron | HCOE, Civil Engineering

Eddie Jacobs | HCOE, Electrical Computer Engineering

Satish Kedia | SPH

Latrice Pichon | SPH

Matthew Smeltzer | SPH

Hongmei Zhang | SPH

FY22 RESEARCH BOOK PUBLICATIONS

Beginning this year, the Division of Research & Innovation is tracking publications by our research faculty on an ongoing basis. To view the books published in FY22, follow the link below. Books published in FY23 can be sent to researchdev@memphis.edu.

To view, visit bit.ly/UofMBooks.

Congratulations to all our authors!

SPECIAL RECOGNITION



Thomas Goebel
Center for Earthquake Research and Information
NSF Early Career Award

Earthquakes rarely occur in isolation but rather as intertwined sequences of fore, main and aftershocks. Events within a seismic sequence are linked by a process called triggering which is thought to be responsible for up to 90% of all earthquakes. The NSF-career project will

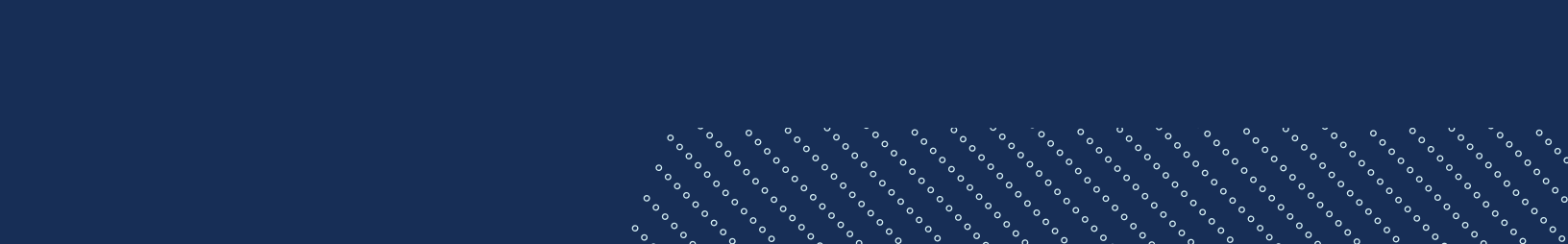
concentrate on a multi-scale investigation of seismic triggering and aftershocks in lab and nature. We will use high-speed, broad-band optical and seismic instrumentation to detect triggered seismic events and to identify conditions that promote triggering.



Dipankar Dasgupta
Department of Computer Science
**Arthur C. Graesser Presidential Award for
Lifetime Achievement in Research**

Dr. Dipankar Dasgupta, a widely admired higher education teacher and distinguished scholar, received the 2022 Arthur C. Presidential Award for Lifetime Achievement in Research. He is a Full Professor of Computer Science at the University of Memphis and joined the University of Memphis (UoM) in January 1997 and became a Full Professor in 2004. The Arthur C. Graesser Presidential Award for Lifetime Achievement in Research is

given periodically to a full professor who has made significant contributions to the research enterprise and reputation of the University through an exemplary and sustained record of academic scholarship, research collaboration, mentoring, and university citizenship. Dr. Dasgupta has been significantly involved in research, education, and service activities.



Dr. Dasgupta developed pioneering research in AI-based cybersecurity with applications that include digital immunity, negative authentication, Cloud Insurance models, and Adaptive Multi-Factor Authentication. He is on the editorial board of five proceedings/journals and has around three hundred research papers in book chapters, journals, and international conference proceedings.

In 2007, Dr. Dasgupta was awarded the University's College of Arts & Sciences' Dunavant Professorship, a 3-year award for exceptional teaching, scholarship, service, and outreach achievement. He received the College of Arts & Sciences Distinguished Research Award twice (2002, 2006), the Sigma Xi Research Paper Award (2003), and the Early Career Research Award (1999). He is the recipient of the Dr. Pat E. Burleson's Professorship and the 2012 Willard R. Sparks Eminent Faculty Award, the highest distinction and most prestigious honor given to a faculty member by the University of Memphis. He is a William Hill Cybersecurity Professor at the University of Memphis. Among other professional recognitions, Dasgupta is an IEEE Fellow, Association for Computing Machinery (ACM) Life member, was an ACM Distinguished Speaker (2015-2020), IEEE Secure Learning Taskforce, and is currently appointed as an IEEE Distinguished Lecturer (2022-2024).

He has held over 400 international research talks in many countries as an expert in the scientific community. His 2017 interview on computational intelligence in cybersecurity with Dr. David Fogel highlights his engaged scholarship in the field (available at LinkedIn: [bit.ly/graesseraward2023](https://www.linkedin.com/company/graesseraward2023)). Dasgupta's innovative research generated four issued patents and two patent applications, several of which have received federal funding and were

licensed. His most recent patent (Nov 2022) was awarded for a multi-user permission strategy to access sensitive information.

Some of his recent accomplishments include his election as a prestigious National Academy of Inventors (NAI) Fellow for the Class of 2022 and national leadership of a 15-University Consortium and presentation of their work at DoD University Consortium for Cybersecurity (UC2) Research Workshop hosted by the National Defense University at Fort McNair in Washington, DC. He also served as a Co-Chair of the IEEE Computational Intelligence in Cybersecurity (CICS) Symposium in Singapore from Dec. 4-7, 2022 where he presented a tutorial on "Machine Learning Applications, Adversarial Attacks, and Mitigation Strategies."

But, most importantly, if you ask Dr. Dasgupta what his greatest accomplishment is, he says it is not about his actions. His inspiration transfers his passion for the subject matter to students. Along with his knowledge transfer, accessibility, career guidance, quality of life, and feedback to his students, he inspires others and is dedicated to student success, which includes practicum experience. He supervised more than one hundred graduate and undergraduate students, including fourteen doctoral, five post-doctoral, and fifty master's students. His advisees are in highly technical positions at technology industry leaders including Google, Microsoft, Facebook, Apple, Discover Bank, Facebook, and Adobe. Some stories of his student successes are available from the CfIA website (bit.ly/Dasguptastudent).

Congratulations, Dr. Dasgupta!



FY 2022 PRINCIPAL INVESTIGATORS

James Adelman
Lily Afshar
Manohar Aggarwal
Mohd Ali
Thouraya Al-Nasser*
Alpha Ba
Debra Bartelli
Barbara Bekis
Brennan Berg
Kevin Berisso
Kristoffer Berlin
Adoracion Berry*
Christine Bertz
Gavin Bidelman
Richard Bloomer
Keri Brondo
Tracy Bruen*
Joel Bumgardner
Jon Burleson
Dorian Burnette
Laura Casey
Su Chen
Eunseo Choi
Kensha Clark
Tracy Collins*
Chris Cramer
Jerome Cusson*
Dipankar Dasgupta
Russell Deaton

Teresa Del Rosso
Elena Delavega
Nathan DeYonker
Ana Doblas
Randolph Dupont
Amanda Edgar
Susan Elswick
Ali Fatemi
Ryan Fisher
Daniel Foti*
Demetria Frank
Misty Freeman*
William Gibbons*
Elizabeth Gillespie
Michail Gkolias
Thomas Goebel
Ranganathan Gopalakrishnan
Wendy Griswold
Michael Hagge
Ryan Hall*
Josef Hanson*
Melvyn Harding
Bradley Harrell*
Tammy Haut Donahue
Alexander Headley
Mark Hendricks*
Carl Herickhoff*
Arleen Hill
Melissa Hirschi

Kathryn Howell
Xiangen Hu
Xiaolei Huang*
William Hunter
Richard Irwin
Stephanie Ivey
Eddie Jacobs
Wesley James
Farhad Jazaei*
Jessica Jennings
Chunrong Jia
Yu Jiang*
Carolyn Kaldon
Satish Kedia
Michael Kennedy
Charles Kubicek*
Santosh Kumar
Youngsang Kwon*
Christodoulos Kyriakopoulos
Charles Langston
Mohamed Laradji
Daniel Larsen
Irena Lasiecka
Justin Lawhead
Mark LeDoux
Robin Lennon-Dearing
Marian Levy
Weizi Li*
Huigang Liang*



* Denotes First Time Pls

Bolded names are FY22 PI Millionaires

Jennifer Mandel
Jeffrey Marchetta
Timothy McCuddy*
Meghan McDevitt-Murphy
James McGinnis
Duane McKenna
Claudio Meier
James Meindl
Courtnee Melton-Fant
Sabyasachee Mishra
Shelia Moses
Francisco Muller Sanchez
James Murphy
Derek Myers
Fawaz Mzayek
Joshua Nave
Susan Neely-Barnes
Sandra Nichols*
Napoleon Overton*
Radesh Palakurthi
Christos Papadopoulos*
Maxime Paquette
Abby Parrill-Baker
Philip Pavlik
Ophrah Payne*
Jacquelyn Pence*
Shahram Pezeshk
Latrice Pichon
Charles Pierce

Andrea Pirkey
Shawn Pollard*
Robin Poston
Chrysanthe Preza
Emily Puckett
Chidambaram Ramanathan*
Kathryn Ramsey
Meredith Ray
Joanne Rhodes*
Aaron Robinson
Alisha Rose*
Loretta Rudd
Diana Ruggiero*
Vasile Rus
John Sabatini
Aaryani Sajja
Maryam Salehi Esfandarani
Daniel Schaffzin
Eraina Schauss
Chrisann Schiro-Geist
Michael Schmidt
Nicholas Simon
Paul Simone
Larry Slater*
Robert Smalley
Matthew Smeltzer
Michelle Stockton*
Jack Strahl
Genae Strong

Isaiah Surbrook*
Thomas Sutter
Richard Sweigard
Abu Mohammed Naser Titu*
Deborah Tollefsen
Jennifer Turchi*
Brian Waldron
Lan Wang
Kenneth Ward
Gregory Washington
Thomas Watson
Karen Weddle-West
Steven West
James Whelan
Jeremy Whittaker*
Leah Windsor
Mitchell Withers
Myounggyu Won*
Kan Yang*
Stephen Zankas
Hongmei Zhang
Yufeng Zhang
Bentuo Zheng
Todd Zoblotsky

RESEARCH IMPACT

TOP FACULTY BY SCOPUS H-INDEX

FACULTY MEMBER	SCOPUS H-INDEX	DEPARTMENT
Bowlin, Gary	55	<i>Department of Biomedical Engineering</i>
Sutter, Tom	53	<i>Department of Biological Sciences</i>
Fatemi, Ali	52	<i>Mechanical Engineering</i>
Lasiecka, Irena	50	<i>Department of Mathematical Sciences</i>
Rudd, David	46	<i>Department of Psychology</i>
Ward, Kenneth	46	<i>School of Public Health</i>
Bollobas, Bela	45	<i>Department of Mathematical Sciences</i>
Lindner, Ernő	43	<i>Department of Biomedical Engineering</i>
Triggiani, Roberto	40	<i>Department of Mathematical Sciences</i>
Bumgardner, Joel	39	<i>Department of Biomedical Engineering</i>
Mishra, Sanjay	39	<i>Department of Physics and Materials Science</i>
Oller, Kimbrough	39	<i>School of Communication Sciences and Disorders</i>
Skalli, Omar	39	<i>Department of Biological Sciences</i>
Gallagher, Shaun	37	<i>Department of Philosophy</i>
Langston, Charles	37	<i>Center for Earthquake Research and Information</i>
Huang, Xiaohua	36	<i>Department of Chemistry</i>
Kumar, Santosh	35	<i>Department of Computer Science</i>
Liang, Huigang	35	<i>Business Information and Technology</i>
Parrill-Baker, Abby	34	<i>Department of Chemistry</i>
Yang, Kan	34	<i>Department of Computer Science</i>

About Scopus H-Index

The University of Memphis subscribes to Scopus, a database of citations and abstracts. An H-index of 40 means, for example, that a scientist has published 40 papers that each has at least 40 citations.



RECOGNITION OF **RESEARCH SUPPORT STAFF**

The Division of Research & Innovation recognizes that the success of our faculty is, in part, thanks to the many pre-award coordinators, research support staff, and individuals across campus who help to ensure the success of the research enterprise at the University of Memphis.

