2019 Data: **CBE GRADUATE PROGRAM**

January 1, 2019 – December 31, 2019

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1. **GRADUATE DEGREE RECIPIENTS**

**Spring 2019 Graduate School Degree Recipients**

***Master of Science Graduates:***

* Atefeh Alizadehbirjandi (Winter)
* Tapajyoti Ghosh (Baskhi)
* Jingying Hu (Bakshi)
* Drace Penley (Lin)
* Pinaki Ranadive (Brunelli)
* Peter Sandvik (Fan)
* Hongyu Yuan (Wood)
* Ruonan Zhao (Bakshi)

***Doctor of Philosophy Graduates:***

* Jeffrey Ethier (Hall)
* Yamin Fan (Wood)
* Yensil Park (Wyslouzil)
* Alex Trazkovich (Hall)

**Summer 2019 Graduate School Degree Recipients  
*Master of Science Graduates:***

* Tianyi Chen (Yang)
* Haris Malik (Yang)
* Sharath Reddy (Fan)
* Jeremy Schnorrenberg (Koelling)
* Yutong Yang (Ho)

***Doctor of Philosophy******Graduates:***

* Donald Belcher (Palmer)
* Tapajyoti Ghosh (Bakshi)
* Kil Ho Lee (Winter)
* Kehinde Ogunronbi (Wyslouzil)
* Mariah Whitaker (Brunelli)

**Autumn 2019 Graduate School Degree Recipients  
*Master of Science Graduates:***

* Kayane Dingilian (Wyslouzil)
* Ashwin Kane (Brunelli)
* Jiaqi Luo (Wyslouzil)
* Travis Neimeister (Swindle-Reilly)
* Aaron Rajasuriyar (Reátegui)

***Doctor of Philosophy******Graduates:***

* Teng Bao (Yang)
* Abhilasha Dehankar (Winter)
* Mengqing Guo (Fan)
* Deeksha Jain (Ozkan)
* Sourabh Nadgouda (Fan)
* Joao Vinicius Ribeiro Leite Silva (Rathman)

1. **FELLOWSHIPS AND AWARDS**

**Fellowships and Scholarships**

***University Fellowship:***

* Howard Craig
* Robert Dupont
* Sai Vivek Prabhala

***Distinguished University Fellowship:***

* Matthew Ferree

***Brodkey Scholarship: (awarded in January 2020):***

* Matthew Ferree
* Baochen Li
* Sai Vivek Prabhala

***ENGIE-Axium Scholarship Award:***

* Teng Bao

**Awards and Honors**

***American Institute of Chemical Engineers:***

* Deven Baser: AIChE Catalysis and Reaction Engineering Division Travel Award

***American Association of Aerosol Research:***

* Kayane Dingilian: 2nd Place, Inaugural AAAR Video Competition

***Chemical Engineering & Processing: Process Intensification, 2019 Special Issue:***

* ***Frank (Fanhe) Kong: Research featured on front cover***

***North American Membrane Society:***

* Yang Han: 2019 Young Membrane Scientist Award
* Kai Chen: Elias Klein Founders’ Travel Supplement Award

***Society for Biomaterials:***

* Pengfei Jiang: STAR (Student Travel Achievement Recognition) award

**3. GRADUATE SEMINARS**

**Spring 2019 Seminar Series**

* **Charles Musgrave,** Professor and Department Chair, Chemical and Biological Engineering, University of Colorado Boulder, “Computationally Designed Organic Catalysts and Photocatalysis”, 1/10
* **Mitch Baker,** Safety Engineer, Environmental Health and Safety, The Ohio State University,1/15
* **Younjin Min,** Assistant Professor, Department of Polymer Engineering, The University of Akron, “Interfacial Dynamics of Nanoconfined Molecules and Macromolecules”, 1/24
* **Paul Dauenhauer,** Associate Professor and DuPont Young Professor, Department of Chemical Engineering and Materials Science, University of Minnesota, “At the Frontier of Biochemicals: Bubbles, Bottles and (Rubber) Bands from Biomass, 1/31
* **Jonathan Nickels,** Assistant Professor, Department of Chemical and Environmental Engineering, University of Cincinnati, “Understanding the Physical Basis of Lipid Rafts Using Neutron Scattering”, 2/7
* **Yinlun Huang,** Professor, Department of Chemical Engineering and Materials Science, Wayne State University, “Multiscale Sustainability: Basic Theory and Applied Studies”, 12/21
* **Hariharan Srikanth,** Professor, Department of Physics, University of South Florida, IEEE Magnetics Society Distinguished Lecture: “Turning Magnetic Anisotropy in Nanostructures for Biomedical and Electromagnetic Applications”, 2/26
* **JR Schmidt,** Professor, Department of Chemistry, University of Wisconsin – Madison, “Predictive Molecular Simulations of Metal-Organic Frameworks”, 2/28
* **Brad Berron,** William J. Bryan AssociateProfessor, Department of Chemical Engineering, University of Kentucky, “Cellular Coatings for Isolation and Implantation of Therapeutic Cells”, 3/7
* **Paula Hammond, Lowrie Lecture I**, David H. Koch Chair Professor of Engineering and Head of the Department of Chemical Engineering, Massachusetts Institute of Technology, 11:30 a.m. in 1080 Physics Research Building, “Nanolayered Particles for Tissue Targeted Therapies”, 3/20
* **Paula Hammond, Lowrie Lecture II**, David H. Koch Chair Professor of Engineering and Head of the Department of Chemical Engineering, Massachusetts Institute of Technology, “Research and Life Matters: Seeking Passion and Sanity in Career”, 3/21
* **Wei Li,** Assistant Professor, Department of Chemical Engineering, Texas Tech University, “Biodegradable Multilayered Nanofilms for Cell Isolation and Recovery”, 3/28
* **Yinlun Huang**, Professor, Department of Chemical Engineering and Materials Science, Wayne State University, “Multiscale Sustainability: Basic Theory and Applied Studies”, 4/4
* **Jose Figueroa,** Carbon Capture Team Supervisor, US Department of Energy, National Energy Technology Laboratory, “U.S. DOE National Energy Technology Laboratory: Overview of the Carbon Capture Program Research Efforts”, 4/11

**Autumn 2019 Seminar Series:**

* **Shunji Egusa,** Assistant Professor, Department of Physics, Center for Biomedical Engineering & Science, The University of North Carolina Charlotte, “Mechanism of the Fluorescence in Protein-Gold Complexes”, 8/22
* **Corey Wilson,** Associate Professor, School of Chemical & Biomolecular Engineering, Georgia Institute of Technology. Transcriptional Programming Using Engineered Systems of Transcription Factors and Genetic Architectures”, 9/5
* **David Allen,** Gertz Regents Chair in Chemical Engineering, McKetta Department of Engineering, Director, Center for Energy and Environmental Resources, The University of Texas at Austin, “Increased Oil and Natural Gas Production, Methane Emissions, and Climate”, 9/12
* **Jeff Rimer,** Abraham E. Duler Professor, Department of Chemical and Biomolecular Engineering and Department of Chemistry, University of Houston, “Identifying New Paradigms in Crystal Engineering for Energy and Biomedical Applications”, 9/1
* **Steven Little,** Chair and William Kepler Whiteford Endowed Professor, Chemical and Petroleum Engineering, The University of Pittsburgh, “Controlling “Controlled Release” to Make Medicine That Imitates Life”, 9/26
* **Philippe Sautet,** Professor, Chemical and Biomolecular Engineering Department, Chemistry and Biochemistry Department, University of California Los Angeles, “Catalytic Active Sites are Dynamical and Metastable”, 10/3
* **Hong-Cai Joe Zhou,** Robert A. Welch Chair in Chemistry, Department of Chemistry, Texas A&M University, “From Molecular to Mesoscopic Level: Pore Engineering and Its Catalytic Applications, 10/17
* **Tim Watson,** Director of Graduation Services, The Graduate School, The Ohio State University, 10/22 **Tim Watson,** Director of Graduation Services, The Graduate School, The Ohio State University
* **Oleg Lavrentovich,** Trustees Research Professor, Chemical Physics Interdisciplinary Program, Liquid Crystal Institute, Kent State University, “Liquid crystals to control biological systems”, 10/24
* **Kyle Vanderlick**, Thomas E. Golde, Jr. Professor of Chemical & Environmental Engineering, School of Engineering & Applied Science, Yale University, “Retrofitting Membranes: Wrapping Up Where Nature Left Off”, 10/31
* **Graduate Research Initiative Program,** **Elizabeth Jergens:** “DNA-caged Polymer Nanocomposites for Erasable Fluorescence Imaging”; **Pinaki Ranadive:** “Jet-Mixing Microreactor for Metal and Metal-Oxide Nanomaterial Synthesis and Scale-up Considerations”; **Utkarsh Shah:** “Evaluating Dynamic Resilience of Intermittent and Uncontrollable Techno-Ecological Systems”, 11/7
* **Anne Skaja Robinson,** Trustee Professor of Chemical Engineering and Department Head, Carnegie Mellon University, “Tau Protein Transmission and Neurodegeneration”, 11/21
* **Anne McNeil,** Arthur F. Thurnau Professor of Chemistry and Macromolecular Science and Engineering, HHMI Professor, University of Michigan, “Precision Polymer Synthesis & Applications”, 11/23

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