2019 Data: CBE GRADUATE PROGRAM
January 1, 2021 – December 31, 2021

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1. 2021 CBE GRADUATE DEGREE RECIPIENTS

Spring 2021 Graduate School Degree Recipients

Master of Science

Graduates
Kalyani Jangam
Joseph Kolb
Rajdeep Mamtani
Amrita Sen
Vivek Vattyam

Advisors
Liang-Shih Fan
Nicholas Brunelli
William Wang
Bhavik Bakshi
Bhavik Bakshi

Doctor of Philosophy

Graduates
Yu-Yen Chen
Eun Hyun Cho
Jackelyn Galiardi
Vance Gustin
Richard Hickey
Yan Liu
Pinaki Ranadive
Fengli Zhang

Advisors
Liang-Shih Fan
Li-Chiang Lin
David Wood
Umit Ozkan
Andre Palmer
Liang-Shih Fan
Nicholas Brunelli
Shang-Tian Yang
Summer 2021 Graduate School Degree Recipients

Master of Science

Graduates  Advisors
Clayton Cuddington  Andre Palmer
Jonathan Hightower  Aravind Asthagiri
Robert Dupont  William Wang
Naitik Choksi  Joel Paulson

Doctor of Philosophy

Graduates  Advisors
Vedant Shah  Liang-Shih Fan
Michael Charles  Bhavik Bakshi
Wenhan Jia  Isamu Kusaka

Autumn 2021 Graduate School Degree Recipients

Master of Science

Graduates  Advisors
Nicholas Liesen  Isamu Kusaka and Lisa Hall
Archit Datar  Aravind Asthagiri and Li-Chiang Lin
Anuj Joshi  Liang-Shih Fan
Pinak Mohapatra  Liang-Shih Fan
Nathan Moody  David Wood
Caroline Watt  Liang-Shih Fan
Jingjing Zhang  Eduardo Reategui

Doctor of Philosophy

Graduates  Advisors
Xuepeng Deng  Winston Ho and Li-Chiang Lin
Junjie Pan  L. James Lee
Yaswanth Pottimurthy  Liang-Shih Fan
Joseph Taris  David Wood
2. 2021 GRADUATE FELLOWSHIPS

**University Fellowship**
Tanmay Salvi

**College of Engineering Graduate Fellowship**
Sophia Mayone

**Engie Axium Fellowship**
Hannah Pineault

**Triplett Fellowship**
Hannah Pineault

**Brodkey Scholarship: (awarded in January 2021)**
- Ashin Antony Sunny
- Snehal Patil
- Leah Ford
- Alisyn Greenfield
3. NATIONAL STUDENT AWARDS

**American Association for Aerosol Research (AAAR)**

*Presentation Award, AAAR 2021 Annual Meeting:*

- Jiaqi Luo (Wyslouzil Group)

**American Chemical Society**

*ACS Energy and Fuels Division, Third Place, Student Presentation Award Competition (SPAC):*

- Anuj Joshi (Fan Group)

*ACS Indiana Section, PREDICT 2021, First Place in Session One, Graduate Student Lightning Talk:*

- Faiz Khan (Winter Group)

*ACS 2021 Great Lakes Regional Meeting, Presentation Awards:*

- Jiaqi Luo and Tong Sun (Wyslouzil Group)

**AIChE**

*AIChE Catalysis and Reaction Engineering Division, 2021 Travel Award:*

- Anagha Hunoor (Ozkan Group)

**Korean-American Scientists & Engineers Association / Korea-U.S. Science Cooperation Center**

*KSEA-KUSCO 2021 Graduate Award:*

- Dongjoon Kim (Asthagiri Group)
National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE)

Second Place, Best Poster, 2021 Inaugural Collaborative Research Poster Competition:

- Jonathan Hightower (Asthagiri Group)

North American Membrane Society (NAMS)

2021 Elias Klein Founders’ Travel Award:

- Andrew Deng (Ho Group)
- Yutong Yang (Ho Group)

Prevent Blindness

2021 Prevent Blindness Young Investigator Research Fellowship:

- Megan Allyn (Swindle-Reilly and Palmer Groups)
4. LOCAL STUDENT AWARDS

**CBE Graduate Research Symposium**

*Oral Session winners:*

- Nicole Walters (Reategui)
- Archit Datar (Lin)
- Alex Spanos (Brunelli)

*Poster Session winners:*

- Pinak Mohapatra (Fan)
- Faiz Khan (Winter)
- Jacob Strayer (Chalmers)

**OSU Council of Graduate Students**

*Edward J. Ray Travel Award for Service and Scholarship:*

- Pinak Mohapatra (Fan Group)
- Dongjoon Kim (Asthagiri Group)

**OSU Hayes Graduate Research Forum**

*First Place, Engineering Poster Presentation:*

- Faiz Khan (Winter)

**OSU Korean Graduate Student Association**

*Outstanding New Student Organization Award:*

- Dongjoon Kim, founder and president (Asthagiri Group)
**OSU Office of International Affairs**

*International Leadership Scholarship:*

- Dongjoon Kim (Asthagiri Group)

**OSU Office of Research and the Office of Environmental Health and Safety**

*University Laboratory Safety Committee, 2021 Group Excellence in Safety Award:*

- ChyComm (Chemical Hygiene Committee)
  - Richard Hickey, chair
  - Kayane Dingilian, vice chair
  - Elizabeth Jergens, inspection coordinator
  - Vance Gustin, inspection coordinator

*2021 Dean’s List for Laboratory Safety:*

- Umit Ozkan Heterogeneous Catalysis Laboratory
5. GRADUATE PROGRAM SEMINARS

Spring 2021

1/14 Karl Johnson, W.K. Whiteford Professor, Chemical and Petroleum Engineering, University of Pittsburgh, “Machine Learning Potentials for Large-Scale Simulations with Quantum Mechanical Accuracy”

1/21 Ignacio Grossman, Rudolph R. and Florence Dean University Professor, Chemical Engineering, Carnegie Mellon University, “Challenges in the Application of Mathematical Programming Approaches to Enterprise-wide Optimization of Process Industries”

1/28 Ruilan Guo, Frank M. Freimann Associate Professor of Engineering, Chemical and Biomolecular Engineering, University of Notre Dame, “Hierarchically Functional Polymers for Advanced Membrane Separations”

2/4 Geyou Ao, Assistant Professor, Chemical and Biomedical Engineering, Cleveland State University, “Bipolymer-Complexed Carbon Nanotubes: Synthesis, Optical Properties, and Applications”

2/11 Manu Platt, Associate Professor, Wallace H. Coulter Department of Biomedical Engineering, Georgia Tech, “Things Fall Apart: Proteolytic Networks in Tissue Destructive Diseases”

2/18 Sapna Sarupria, Associate Professor, Department of Chemical and Biomolecular Engineering, Clemson University, “Molecular Engineering of Ice Responsive Materials: Decoding Heterogeneous Ice Nucleation”

2/25 Kathleen Stebe, Richer & Elizabeth Goodwin Professor, Chemical and Biomolecular Engineering, University of Pennsylvania, “Colloids in Confined Liquid Crystals”

3/11 Chris Boyce, Assistant Professor, Chemical Engineering, Columbia University, “Characterizing and Structuring Multiphase Granular Flows”

4/6 Judit E. Puskas, Distinguished Professor of CFAES in Polymer Science, The Ohio State University, “Rubber City Girl – the Path to the 2017 Goodyear Gold Medal”

4/8 Mesfin Tsige, Professor, Department of Polymer Science, University of Akron, “Probing the Diffusion, Adhesion and Migration of Polymers at Interfaces”

4/15 Laura Ensign-Hodges, Marcella E. Woll Professorship in Ophthalmology, Ophthalmology, Nanomedicine Division; Chemical & Biomolecular Engineering, Vice Chair for Research, Wilmer Eye Institute, Johns Hopkins University, “Hypotonic Gelling Solutions for Extended Topical Ocular Drug Delivery”
Autumn 2021

8/26 Xi Ling, Assistant Professor, Chemistry, Boston University, “Making and Stitching 2D Materials for Electronic Devices”

9/9 Victor Zavala, Baldovin-DaPra Professor, Chemical and Biological Engineering, University of Wisconsin-Madison, “Thinking About Data: Representations, Transformations, and Applications”

9/16 Hongfei Lin, Associate Professor, The Gene and Linda Voiland School of Chemical Engineering and Bioengineering, Washington State University, “Design of Sequential Catalytic Solvolysis Process for Selectively Deconstructing Waste Plastics”

9/23 Joel Bombile, Postdoctoral Scholar, Chemistry, University of Kentucky, “Multi-scale Modeling of Semiconducting Polymers for Organic Electronic Applications”

10/5 Shu Yang, Professor and Department Chair, Materials Science and Engineering, Chemical and Biomolecular Engineering, University of Pennsylvania, “Programming Intelligence through Geometry, Topology, and Anisotropy”

10/21 Eranda Nikolla, Professor, Chemical Engineering and Materials Science, Wayne State University, Embracing the Complexity of Heterogeneous Catalytic Structures: Nonstoichiometric Mixed Metal Oxides and 3-Dimensionally Engineered Metal Catalysts for Energy and Chemical Conversion”

10/28 Aniruddha Pandit, Professor and Vice Chancellor, Chemical Engineering, Institute of Chemical Technology, Cavitationally Induced Physcio-Chemical and Biological Transformations”

11/2 Mandar Kathe, Assistant Professor, Chemical Engineering, Tuskegee University, Democratization of Artificial Intelligence in Chemical applications (Theme 1); Towards creation of equitable pathways for STEM Graduate education: Systemic Challenges and learnings (Theme 2)

11/4 Anuj Chauhan, Department Head and Professor, Chemical and Biological Engineering, Colorado School of Mines, Ophthalmic Drug Delivery By Contact Lenses”

11/30 Blaise Kimmel, Postdoctoral Research Fellow, Department of Chemical and Biomolecular Engineering, Vanderbilt University, “Engineering Protein Scaffolds as Programmable Immunotherapies”

12/2 Eno Essien Ebong, Associate Professor, Chemical Engineering, Bioengineering and Biology, Northeastern University, “Endothelial Mechanobiology Pathways and their Regulation by the Dynamic Glycocalyx."