2019 Data: CBE GRADUATE PROGRAM
January 1, 2020 – December 31, 2020

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1. 2020 CBE GRADUATE DEGREE RECIPIENTS

Spring 2020 Graduate School Degree Recipients

Master of Science

Graduates                  Advisors
Akash Basu                Liang-Shih Fan
Michael Heinrichs         John Clay
Anjelica Kucinic          Carlos Castro
Shalin Patil              Liang-Shih Fan
Xian Wu                   Jeffrey Chalmers
Yiming Zhou               Jessica Winter

Doctor of Philosophy

Graduates                  Advisors
Deven Baser               Liang-Shih Fan
Bryan Hobocienski         James Rathman
James Kim                 Jeffrey Chalmers
Fanhe Kong                Liang-Shih Fan
### Summer 2020 Graduate School Degree Recipients

#### Master of Science

<table>
<thead>
<tr>
<th>Graduates</th>
<th>Advisors</th>
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</thead>
<tbody>
<tr>
<td>Richard Hickey</td>
<td>Andre Palmer</td>
</tr>
<tr>
<td>Medha Kasula</td>
<td>Nicholas Brunelli</td>
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<tr>
<td>Mochen Qian</td>
<td>David Wood</td>
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<tr>
<td>Samuel Rubenstein</td>
<td>Liang-Shih Fan</td>
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#### Doctor of Philosophy

<table>
<thead>
<tr>
<th>Graduates</th>
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<tbody>
<tr>
<td>Kai Chen</td>
<td>Winston Ho</td>
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<tr>
<td>Dhruba Deka</td>
<td>Umit Ozkan</td>
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<tr>
<td>Pengfei Jiang</td>
<td>Katelyn Swindle-Reilly</td>
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<td>Kuan-Hsuan Shen</td>
<td>Lisa Hall</td>
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### Autumn 2020 Graduate School Degree Recipients

#### Master of Science

<table>
<thead>
<tr>
<th>Graduates</th>
<th>Advisors</th>
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<tbody>
<tr>
<td>Michael Charles</td>
<td>Bhavik Bakshi</td>
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<tr>
<td>Jee Yee Chen</td>
<td>Nicholas Brunelli</td>
</tr>
<tr>
<td>Kevin Do</td>
<td>Bhavik Bakshi</td>
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<tr>
<td>Mengdi Fan</td>
<td>Lisa Hall</td>
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<tr>
<td>Jen Chun Fang</td>
<td>Xiaoguang Wang</td>
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<tr>
<td>Elizabeth Jergens</td>
<td>Jessica Winter</td>
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<tr>
<td>Xilal Rima</td>
<td>Eduardo Reátegui</td>
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<tr>
<td>Aakashdeep Singh</td>
<td>Lisa Hall</td>
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<tr>
<td>Tong Sun</td>
<td>Barbara Wyslouzil</td>
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<tr>
<td>Xiaodi Zhou</td>
<td>Xiaoguang Wang</td>
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#### Doctor of Philosophy

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<th>Graduates</th>
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</thead>
<tbody>
<tr>
<td>Saurabh Ailawar</td>
<td>Umit Ozkan</td>
</tr>
<tr>
<td>Chia-Wen Chang</td>
<td>Jonathan Song</td>
</tr>
<tr>
<td>Kayane Dingilian</td>
<td>Barbara Wyslouzil</td>
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<tr>
<td>Yiwen Gong</td>
<td>Ilham El-Monier</td>
</tr>
<tr>
<td>Kyuha Lee</td>
<td>Bhavik Bakshi</td>
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<tr>
<td>Yitao Zhang</td>
<td>Liang-Shih Fan</td>
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2. 2020 GRADUATE FELLOWSHIPS

**University Fellowship**

- Leah Ford (Brunelli)
- Alisyn Greenfield (Palmer)
- Snehal Patil (Ozkan)
- Yuanhao Zhang (Hall)

**Distinguished Graduate Enrichment Fellowship**

- Farshud Sorourifar (Paulson)

**Triplett Fellowship**

- Leah Ford (Brunelli)

**Brodkey Scholarship: (awarded in January 2021)**

- Ashin Antony Sunny
- Snehal Patil
- Leah Ford
- Alisyn Greenfield

**ENGIE-Axium Scholarship Award**

- N/A
3. NATIONAL STUDENT AWARDS

American Indian Science and Engineering Society (AISES) National Conference
- Michael Charles  Second Place, 2020 Graduate Poster Competition. *(Bakshi)*

National Diversity in STEM Conference
- Xilal Rima  First Place, 2020 Oral Research Presentation. *(Reategui)*

National Science Foundation
- Sabat Gonzalez-Serrano  2020 Graduate Research Fellowship, Honorable Mention. *(Wood)*
- Xilal Rima  2020 Graduate Research Fellowship, Honorable Mention. *(Wood)*

North American Membrane Society
- Ting-Yu Chen  2020 Elias Klein Founders’ Travel Award. *(Ho)*
- Andrew Deng  2021 Elias Klein Founders’ Travel Award. *(Ho)*
- Yutong Yang  2021 Elias Klein Founders’ Travel Award. *(Ho)*

Publication Honors
- Xilal Rima  2020 AIP “Scilight” for article published in AIP’s journal, Biomicrofluidics. *(Reategui).*
- Daiana Wischral  CAPES/Natura Campus Award for Excellence in Research 2020 for paper published in *Bioresource Technology*. *(Yang)*

Publication Achievements
- *Journal of Controlled Release* cover feature: Pengfei Jiang *(Swindle-Reilly)*, Clayton Cuddington *(Palmer).*
- *Chemical Engineering & Processing*: Process Intensification, First Prize, Indian Institute of Chemical Engineers’ Best Research Paper Published in a High-Impact Factor International Journal by an Undergraduate Chemical Engineering Student: Ashin Antony Sunny *(Fan).*
- *Chemical Engineering & Processing*: Process Intensification, 2019 Special Issue, cover feature: Frank (Fanhe) Kong *(Fan).*
- *Chemical Engineering Science* AIChe Sustainable Engineering Forum Best Student Paper: Kyuha Lee, Tapajyoti (TJ) Ghosh ‘19 *(Bakshi).*
- *Macromolecules* ACS Editor’s Choice: Kuan-Hsuan Shen, Mengdi Fan *(Hall).*
- *Nature Communications* Editors’ Highlights: Yan Liu, Lang Qin, Zhuo Cheng, Josh W. Goetze, Fanhe Kong, Jonathan A. Fan *(Fan).*
4. LOCAL STUDENT AWARDS

**Ohio State Graduate School-Alumni Grants for Graduate Research and Scholarship**
- **Fengli Zhang** $5,000 grant in support of her dissertation research. (*Yang*)

**Hayes Graduate Research Forum**
- **Elizabeth Jergens** 2020 First Place, Math, Physical Sciences and Engineering Poster Presentations (*Winter*)

**Ohio State University Office of Research**
- **Pengfei Jiang** 2020 finalist, Innovator of the Year-Next Generation. (*Swindle-Reilly*)

**Ohio State University Office of Student Academic Success**
- **Richard Hickey** 2020 Excellence in Undergraduate Research Mentoring (*Winter*)
5. GRADUATE PROGRAM SEMINARS

Spring 2020

1/16 Rafael Verduzco, Associate Professor, Department of Chemical and Biomolecular Engineering, Rice University, “Making Brushy Surfaces with Bottlebrush Polymers”

1/23 Janet Elliot, Distinguished Professor & Canada Research Chair in Thermodynamics, Department of Chemical and Materials Engineering, University of Alberta, “Thermodynamics of Drops, Bubbles, and Capillary Menisci”

1/30 Jian Qin, Assistant Professor, Department of Chemical Engineering, Stanford University, “Effects of polarity, solvation, and interfacial polarization on charge-driven assembly”

2/6 William Epling, Professor, Department Chair, Chemical Engineering, University of Virginia, “Sulfur Poisoning of Selective Catalytic Reduction (SCR) Automotive Emissions Catalysts – Good vs Bad Sulfur”

2/13 Abhaya Datye, Distinguished Regents Professor & Department Chair, Chemical & Biological Engineering Department, University of New Mexico, “Atom Trapping: Key to the Design of Thermally Stable and Regenerable Single Atom Catalysts”

2/20 Sheima Khatib, Assistant Professor, Department of Chemical Engineering, Texas Tech University, “Enhancing the catalytic properties of Mo/ZSM-5 catalysts for methane dehydroaromatization by ex situ formation of metal carbides”

2/27 Timothy White, Gallogly Professor of Engineering, Department of Chemical and Biological Engineering, University of Colorado, Boulder, “Enabling Functional Outcomes by Programming the Responsivity of Liquid Crystalline Polymer Networks and Elastomers”

3/5 Brendan Harley, Robert W. Schaefer Professor, Department of Chemical & Biomolecular Engineering, Carl R. Woese Institute for Genomic Biology, University of Illinois at Urbana-Champaign, “Building Tissues Engineering Complexity Through Biomaterial Design”

Autumn 2020

9/10 Babatunde Ogunnaike, William L. Friend Hair, Chemical Engineering Department, University of Delaware, “Biological Control Systems: The Future of Engineering In Medicine”

9/17 Taylor Ware, Assistant Professor, Department of Biomedical Engineering, Materials Science and Engineering, Texas A&M University, “Shape-Morphing Polymers: Towards “Smart” Medical Devices”
9/24 Donnie Perkins, Former Assistant Dean and Chief Diversity Officer, College of Engineering, The Ohio State University, “Racial (In)Justice in Engineering – Silence is not a choice; Awareness is not enough, Strategic Action – *Now is the pathway forward*”

10/1 Caroline Jones, Assistant Professor, Department of Bioengineering, University of Texas at Dallas, “Microfluidic Platforms to Quantify Immune Cell Decision-Making Phenotypes”

10/15 Daniel Hallinan, Associate Professor, Chemical and Biomedical Engineering, Florida A&M University – Florida State University, “Structure and Dynamics in Nanostructured Polymeric Materials for Sustainable Energy”

10/22 Placidus Amama, Associate Professor, Tim Taylor Chair in Chemical Engineering, Chemical Engineering, Kansas State University, “Scalable Growth of Carbon Nanotubes using an Industrial Waste”

10/29 Kenneth Lau, Professor, Associate Department Head, Chemical and Biological Engineering, Drexel University, “Engineering Polymer Thin Films and Structures by Chemical Vapor Deposition”

12/3 Berend Smit, Professor of Chemical Engineering, Ecole Polytechnique Fédérale de Lausanne (EPFL), Adjunct Professor of Chemical and Biomolecular Engineering and Chemistry, University of California Berkeley, “The Materials Genome in Action”