**Current Members**

[](https://maravelias.che.wisc.edu/wp-content/uploads/sites/665/2019/09/Ishan-e1567783040111.jpg)[**Dr. Ishan Bajaj**](https://www.linkedin.com/in/ishan-bajaj-32aa7386/)- *Postdoctoral Researcher*  
Process modeling and synthesis of bio-based chemicals production

[](https://maravelias.che.wisc.edu/wp-content/uploads/sites/665/2019/09/Juan-e1567782491276.jpg)**Dr. Juan Manuel Restrepo-Florez**- *Postdoctoral Researcher*  
Process synthesis, analysis of biorefineries, and topology optimization applied to unit operations

[](https://maravelias.che.wisc.edu/wp-content/uploads/sites/665/2019/09/download.png)[**Dr. Shamik Misra**](https://www.linkedin.com/in/dr-shamik-misra-0854a1b7/)- *Postdoctoral Researcher*  
Modeling, optimization, and analysis of renewable energy systems

[](https://maravelias.che.wisc.edu/wp-content/uploads/sites/665/2019/11/boeun-e1573511320876.jpg)**Dr. Boeun Kim**- *Postdoctoral Researcher*  
Modeling, optimization, and analysis of renewable energy systems

**[](https://maraveliasche.wiscweb.wisc.edu/wp-content/uploads/sites/665/2009/12/YIFU-CHEN.jpg)**[**Yifu Chen**](https://www.linkedin.com/in/yifu-chen-70a93197) - *PhD Student*Chemical production blending, planning, and scheduling

**[](https://maraveliasche.wiscweb.wisc.edu/wp-content/uploads/sites/665/2009/12/AvadiappanVenkat-1.jpg)**[**Venkatachalam Avadiappan**](https://www.linkedin.com/in/venkatachalam-avadiappan-53b0b999/?originalSubdomain=in) - *PhD Student*Integration of production scheduling and automation logic

**[](https://maraveliasche.wiscweb.wisc.edu/wp-content/uploads/sites/665/2009/12/WuYaqing-2.jpg)Yaqing Wu** - *PhD Student*  
Design and operation of large-scale HVAC systems

[**Joonjae**](https://www.linkedin.com/in/joonjae-ryu-b062a0132)[](https://maraveliasche.wiscweb.wisc.edu/wp-content/uploads/sites/665/2009/12/IMG_0105.png)[**Ryu**](https://www.linkedin.com/in/joonjae-ryu-b062a0132)- *PhD Student*  
Process optimization and process synthesis

**[](https://maraveliasche.wiscweb.wisc.edu/wp-content/uploads/sites/665/2009/12/Eric_ONeillcopy1.jpg)Eric O'Neill**- *PhD Student*  
Supply Chain Optimization

**[](https://maraveliasche.wiscweb.wisc.edu/wp-content/uploads/sites/665/2009/12/Taifan-copy.jpg)Garry Surya Putra Taifan**- *PhD Student*  
Optimization-based Process Synthesis

**[](https://maraveliasche.wiscweb.wisc.edu/wp-content/uploads/sites/665/2009/12/Arthur.jpg)Arthur E. Pastore de Lima**- *PhD Student*  
Optimization-based Process Synthesis

**[](https://maravelias.che.wisc.edu/wp-content/uploads/sites/665/2020/02/Geissler_Caleb1.jpg)Caleb Geissler**- *PhD Student*  
Energy Systems Synthesis and Optimization

**[](https://maravelias.che.wisc.edu/wp-content/uploads/sites/665/2020/02/Brandon_Paul1.jpg)Brandon Paul**- *PhD Student*  
Energy Systems Synthesis and Optimization

## Former PhD Students

**Ho Jae Lee**(2019); Dow Chemical

**Xinyue Peng**(2019); Dow Chemical

**Lingxun Kong**(2019); Dow Chemical

**Dhruv Gupta** (2019); ExxonMobil

**Michael Risbeck**(2018); JCI

**Tony (Wenzhao) Wu** (2018); ExxonMobil

**Yachao Dong** (2017); Dalian University, China, Associate Professor

**Andres Merchan** (2015); Cargill

**Murat Sen** (2014); Phillips 66

**Sara Velez** (2014); MIT Lincoln Laboratory

**Patricia Nason** (2013); PreScouter, inc.

**Kaushik Subramanian** (2012); amazon.com

**Carlos A. Henao** (2012); Air Products

**Arul Sundaramoorthy** (2011); Praxair

**Matthew Colvin** (2010); Aspen Tech

**Charles  Sung** (2009); Naval Reactors, US Navy

## Former Post-docs

**Kefeng Huang**(2014-2019); Air Products

**Peyman Fasahati**(2018-2019); Honeywell

**Rex Tonglip Ng** (2015-2018); ExxonMobil

**Gautham Ramapriya**(2016-2018); ABB

**Wangyun Won** (2015-2017); Changwon National University, Korea, Assistant Professor

**Bruno Calfa** (2015-2017); United Technologies Research Center

**Kirti Yenkie**(2015-2017); Rowan University, Assistant Professor

**Srinivas Rangarajan** (2013-2016); Lehigh University, Assistant Professor

**Jeff Herron** (2012-2014)**;**The Dow Chemical Company

**Jeehoon Han** (2012-2014); Chonbuk National Univ., Korea, Assistant Professor

**Ji Yong Kim** (2009-2013); Incheon National Univ., Korea, Assistant Professor

**Pradeep Prasad** (2005-2006); Cummins

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