

# WM MICHAEL BARNES '64 DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING

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<http://engineering.tamu.edu/industrial> (<http://engineering.tamu.edu/industrial/>)

**Head:** L. Ntaimo

**Graduate Advisor:** J. Geunes

The department offers Master of Science (MS), Master of Engineering (MEng) and Doctor of Philosophy (PhD) degrees in industrial engineering and a Master of Science (MS) in Engineering Management. Facilities for study and research are excellent, and participation in research is an integral part of the PhD program.

Departmental faculty working in diverse areas of industrial engineering provide students with a wide range of opportunities to gain valuable research experience. Faculty members are presently involved in research in applied statistical analysis, mathematical optimization, stochastic processes, production and inventory control, manufacturing processes and system organization, networks, systems simulation, manufacturing system analysis, quality and reliability engineering, human factors and cognitive ergonomics, transportation systems and logistics.

There is no foreign language requirement for the PhD in industrial engineering. Students in the industrial engineering PhD program are required to pass a departmental qualifying exam within three semesters of starting the program, and all students are required to maintain a GPA of 3.00 in order to remain in good academic standing and graduate. PhD students must also have a 3.0 GPA in order to meet the Preliminary Exam and the Final Exam requirements toward their degree.

## Faculty

Aprahamian, Hrayr, Assistant Professor  
Industrial & Systems Engineering  
PHD, Virginia Tech, 2018

Banerjee, Amarnath P, Professor  
Industrial & Systems Engineering  
PHD, University of Illinois at Chicago, 1999

Benden, Mark E, Professor  
Industrial & Systems Engineering  
PHD, Texas A&M University, 2006

Bennett Jr, George K, Senior Professor  
Industrial & Systems Engineering  
PHD, Texas Tech University, 1970

Bukkapatnam, Satish T, Professor  
Industrial & Systems Engineering  
PHD, Pennsylvania State University, 1997

Butenko, Sergiy I, Professor  
Industrial & Systems Engineering  
PHD, University of Florida, 2003

Currie-Gregg, Nancy J, Professor of the Practice  
Industrial & Systems Engineering  
PHD, University of Houston, 1997

Curry, Guy L, Senior Professor  
Industrial & Systems Engineering  
PHD, University of Arkansas, 1971

Ding, Yu, Professor  
Industrial & Systems Engineering  
PHD, University of Michigan, 2001

Eksin, Ceyhun, Assistant Professor  
Industrial & Systems Engineering  
PHD, University of Pennsylvania, 2015

Elwany, Alaa Mohamed H, Assistant Professor  
Industrial & Systems Engineering  
PHD, Georgia Institute of Technology, 2009

Erraguntla, Madhav, Associate Professor of the Practice  
Industrial & Systems Engineering  
PHD, Texas A&M University, 1996

Feldman, Richard M, Senior Professor  
Industrial & Systems Engineering  
PHD, Northwestern University, 1975

Ferris, Thomas K, Associate Professor  
Industrial & Systems Engineering  
PHD, University of Michigan at Ann Arbor, 2010

Garcia, Alfredo A, Professor  
Industrial & Systems Engineering  
PHD, University of Michigan, 1997

Gautam, Natarajan, Professor  
Industrial & Systems Engineering  
PHD, University of North Carolina at Chapel Hill, 1997

Geunes, Joseph P, Professor  
Industrial & Systems Engineering  
PHD, Pennsylvania State University, 1999

Graul, Michael H, Associate Professor of the Practice  
Industrial & Systems Engineering  
PHD, Texas A&M University, 1995

Graves, Gregory H, Professor of the Practice  
Industrial & Systems Engineering  
PHD, Texas A&M University, 2006

Johnson, Andrew L, Professor  
Industrial & Systems Engineering  
PHD, Georgia Institute of Technology, 2006

Koppa, Rodger J, Senior Associate Professor  
Industrial & Systems Engineering  
PHD, Texas A&M University, 1979

Kum, Hye Chung, Professor  
Industrial & Systems Engineering  
PHD, University of North Carolina at Chapel Hill, 2004

Kumar, Panganamala R, University Distinguished Professor and Regents Professor  
Industrial & Systems Engineering  
PHD, Washington University in St. Louis, 1977

Lawley, Mark A, Professor  
Industrial & Systems Engineering  
PHD, University of Illinois at Urbana-Champaign, 1995

Leon, Victor J, Professor  
Industrial & Systems Engineering  
PHD, Lehigh University, 1991

Malave, Ceasar, Professor  
Industrial & Systems Engineering  
PHD, University of South Florida, 1987

Mayer, Richard John, Adjunct Professor  
Industrial & Systems Engineering  
PHD, Texas A&M University, 1998

McDonald, Anthony D, Assistant Professor  
Industrial & Systems Engineering  
PHD, University of Wisconsin, Madison, 2014

Mehta, Ranjana K, Associate Professor  
Industrial & Systems Engineering  
PHD, Virginia Tech, 2011

Momcilovic, Petar, Associate Professor  
Industrial & Systems Engineering  
PHD, Columbia University, 2003

Moreno Centeno, Erick, Associate Professor  
Industrial & Systems Engineering  
PHD, University of California at Berkeley, 2010

Ntaimo, Lewis, Professor  
Industrial & Systems Engineering  
PHD, University of Arizona, 2004

Pei, Zhijian, Professor  
Industrial & Systems Engineering  
PHD, University of Illinois, 1995

Peres, S Camille, Associate Professor  
Industrial & Systems Engineering  
PHD, Rice University, 2005

Pickens, Adam W, Instructional Associate Professor  
Industrial & Systems Engineering  
PHD, Texas Tech University, 2008

Sagapuram, Dinakar, Assistant Professor  
Industrial & Systems Engineering  
PHD, Purdue University, 2013

Sasangohar, Farzan, Assistant Professor  
Industrial & Systems Engineering  
PHD, University of Toronto, 2015

Shahrampour, Shahin, Assistant Professor  
Industrial & Systems Engineering  
PHD, University of Pennsylvania, 2015

Smith, Donald R, Senior Associate Professor  
Industrial & Systems Engineering  
PHD, University of Arkansas, 1973

Tuo, Rui, Assistant Professor  
Industrial & Systems Engineering  
PHD, Chinese Academy of Sciences, 2013

Valdez Flores, Ciriaco, Professor of the Practice  
Industrial & Systems Engineering  
PHD, Texas A&M University, 1987

Wang, Shiren, Associate Professor  
Industrial & Systems Engineering  
PHD, Florida State University, 2006

Wang, Yen J, Instructional Assistant Professor  
Industrial & Systems Engineering  
DEN, Northwestern University, 1991

Zahabi, Maryam, Assistant Professor  
Industrial & Systems Engineering  
PHD, North Carolina State University, 2017

Zeng, Li, Assistant Professor  
Industrial & Systems Engineering  
PHD, University of Wisconsin, Madison, 2009

Zhang, Xudong, Professor  
Industrial & Systems Engineering  
PHD, University of Michigan Ann Arbor, 1997

Zou, Na, Assistant Professor  
Industrial & Systems Engineering  
PHD, Arizona State University, 2015

## Masters

- Master of Engineering in Industrial Engineering (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/industrial-systems/meng/>)
- Master of Engineering in Systems Engineering (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/industrial-systems/systems-engineering-meng/>)
- Master of Science in Engineering Management (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/industrial-systems/engineering-systems-management-ms/>)
- Master of Science in Industrial Engineering (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/industrial-systems/ms/>)

## Doctoral

- Doctor of Philosophy in Industrial Engineering (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/industrial-systems/phd/>)

## Certificates

- Industrial Data Analytics Certificate (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/industrial-systems/industrial-data-analytics-certificate/>)