



GALLOGLY COLLEGE OF ENGINEERING
**SCHOOL OF CHEMICAL, BIOLOGICAL
AND MATERIALS ENGINEERING**
The UNIVERSITY of OKLAHOMA



Research in the School of Chemical, Biological and Materials Engineering is characterized by innovation and impact, leading to patents, technology licenses, companies and sought-after graduates.

Research Areas

Energy and Chemicals

Catalytic biomass conversion to fuels and chemicals, catalytic hydrocarbon processing, biomass decomposition, molecular thermodynamics, computational modeling of turbulent transport and reactive flows, detergency, improved oil recovery.

Bioengineering/ Biomedical Engineering

Genetic engineering, protein production, bioseparations, metabolic engineering, biological transport, cancer treatment, orthopedic tissue engineering.

Environmental Processes

Zero-discharge process engineering, membrane separation, soil and aquifer remediation, plastics recycling, sustainable energy processes, environmental sustainability and resilience, water-energy nexus.

Materials Science and Engineering

Carbon nanotube production and functionalization, Soft matter engineering, Janus particle synthesis, surface characterization, polymer melt blowing, polymer characterization and structure-property relationships, polymers from renewable resources.

Faculty Members

Ngoc Bui

Ph.D. University of Connecticut, 2014

Steven P. Crossley

Ph.D. University of Oklahoma, 2009

Reza Foudazi

Ph.D. Cape Peninsula University, South Africa 2010

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Ph.D. University of Bologna, Italy, 2010

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Ph.D. Joint at East China University of Science & Technology and EPFL, Switzerland, 2010

Brian P. Grady

Ph.D. University of Wisconsin-Madison, 1994

Roger G. Harrison, Jr.

Ph.D. University of Wisconsin-Madison, 1975

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Ph.D. University of Texas, Austin, 1983

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Ph.D. North Carolina State University, 2012

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Ph. D. Purdue University, 1989

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Ph.D. University of Houston, 1987

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Ph.D. Cornell University, 1987

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Ph.D. Rice University, 1981

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Ph.D. University of Illinois at Urbana-Champaign, 1996

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Ph.D. The City College of New York, 2015

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Ph.D. Yale University, 1983

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Ph.D. University of Buffalo, 2000

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Ph.D. Clemson University, 2005

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Ph.D. Ecole Normale Supérieure de Lyon, France 2010

Contact us!

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