

Faisal Shaikh, Ph.D.

Professor, Program Director at Milwaukee School of Engineering

Milwaukee, WI, US

Dr. Faisal Shaikh's areas of expertise include chemical engineering, biotechnology and microfluidics (lab on a chip).

Biography

Dr. Faisal Shaikh is the biomolecular engineering program director in Milwaukee School of Engineering's Physics and Chemistry Department. He joined the faculty in 2010 and has developed a significant number of the core chemical engineering courses, albeit with a focus on biology. He has championed several of the program's industry-academia partnerships for senior design projects.

Areas of Expertise

Reaction Engineering, Materials Science, Biomolecular Engineering, Chemical Engineering, Characterization

Event and Speaking Appearances

In-class anonymous student feedback and interactivity at the speed of light!
ASEE Annual Conference

Label Free Optical Detection of DNA in Microchannels by Reversible Formation of Light Diffracting Mesophase
Gordon Conference on the Physics and Chemistry of Microfluids

DNA analysis on Lab on a chips
MSOE

Concentration, Focusing, and Metering of DNA in microfabricated Analysis Chips Using Addressable Electrode Arrays
Lab Automation

Label Free Optical Detection of DNA in Microchannels by Reversible Electric Field Confinement in Free Solution
Paris, France

Education, Licensure and Certification

Ph.D.
Chemical Engineering Texas A&M University

B.E.

Chemical Engineering University of Mumbai

Accomplishments

Karl O. Werwatch Engineering Research Award

2019-2020 This award was initiated to recognize the vision of Karl O. Werwath and the contribution of MSOE faculty and staff who have fostered the advancement of applied scientific knowledge.

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