

# Dr. Amrita Basak



## **Bio**

Dr. Amrita Basak is an Assistant Professor of Mechanical Engineering at the Pennsylvania State University – University Park. She received a Ph.D. in Mechanical Engineering from the Georgia Institute of Technology (2014-2017) working under the supervision of Prof. Suman Das. She holds two master's degrees – one in Aerospace Engineering from Georgia Tech (2012-2014) and the second one in Chemical Engineering from the Indian Institute of Technology Kanpur (2003-2005). She received her undergraduate degree in Chemical Engineering from Jadavpur University, Kolkata, India (1999-2003). In between her academic stints, she spent about six and half years as a Lead Engineer working for General Electric, Bangalore, India (2005-2011); one year as a Process Engineer working for Intel Corporation, Portland, Oregon (2018); one year as a Student Consultant in Department of Energy's Industrial Assessment Center at Georgia Tech (2017); and four months as a computational fluid dynamics (CFD) research intern in Robert Bosch, Palo Alto, California (2014). Dr. Basak is a co-ambassador of the "Women in 3D Printing (Wi3DP)" chapter at Penn State.

## **Years beyond PHD**

Five Years

## **Research area**

Advanced Manufacturing

## **School of employment**

The Pennsylvania State University – University Park

## **Educational background (field of degrees)**

Ph.D. Georgia Institute of Technology, Mechanical Engineering, 2017

M.S. Georgia Institute of Technology, Aerospace Engineering, 2015

MTech, Indian Institute of Technology, Kanpur, Chemical Engineering, 2005

B.E. Jadavpur University, Chemical Engineering, 2003