

Curriculum Vitae
Abhimanyu Ghosh

ASSISTANT PROFESSOR (TENURE-TRACK)
ENGINEERING & TECHNOLOGY DEPARTMENT
UNIVERSITY OF WISCONSIN-STOUT

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EDUCATION

- 2010 - 2017 **Ph.D.** in Mechanical Engineering UNIVERSITY OF MINNESOTA-TWIN CITIES, MINNEAPOLIS, USA
Modeling pressure-driven fluid flows, asymmetric jets and particle-laden jet flows
- 2006 - 2010 **B.Tech** in Mechanical Engineering IIT KANPUR, KANPUR, INDIA

ACADEMIC EXPERIENCE

- 2018 - present **Visiting Faculty**, Zhengzhou University International College HENAN, CHINA
part-time
Teaching primarily Mechanical Engineering coursework in English, on-campus as well as online
- 2016 - present **Assistant Professor**, University of Wisconsin-Stout MENOMONIE, WI, USA
full-time
Teaching primarily Mechanical Engineering coursework on numerical methods, fluid dynamics and heat transfer in the Engineering & Technology Department
- 2010 - 2016 **Graduate Research & Teaching Assistant**,
University of Minnesota-Twin Cities MINNEAPOLIS, MN, USA
full-time
Grading and assisting in teaching undergraduate and graduate courses, tutoring student athletes and working on graduate-level research in the Mechanical Engineering department

NON-ACADEMIC EXPERIENCE

None

CERTIFICATIONS/PROFESSIONAL REGISTRATIONS

None

CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- 2018 - present Member
Association for Computing Machinery (ACM)

HONORS AND AWARDS

None

SERVICE ACTIVITIES

- May 2020 - present Program Director, Engineering Technology
Manage a program of about 200 students in the Engineering & Technology Department, University of Wisconsin-Stout

- Aug 2020 - present UW-Stout representative, Wisconsin OPID
Represent UW-Stout faculty to the UW-System Office of Professional Instructional Development (OPID) Advisory Council that organizes the annual OPID conference, UW Faculty College conference and the Wisconsin Teaching Fellows program
- 2019 - present Overall Coordinator, SkillsUSA Wisconsin UW-Stout Regionals
Coordinate the overall event, negotiating terms (alongside the associate dean) with Wisconsin DPI, working with individual faculty event coordinators, volunteers and university associates to keep the various competitions running and successful
- 2019 - 2020 Interim Program Director, Mechanical Engineering
Temporarily manage the largest program in the Engineering & Technology Department at University of Wisconsin-Stout, of about 400 students, for a year while original program director was on sabbatical

PUBLICATIONS

JOURNAL ARTICLES

- [1] J. M. Gorman, E. M. Sparrow, C. Smith, A. Ghosh, J. Abraham, R. Daneshfaraz, and A. Rezazadeh Joudi, "In-bend pressure drop and post-bend heat transfer for a bend with a partial blockage at its inlet," *Numerical Heat Transfer, Part A: Applications*, vol. 73, no. 11, pp. 743–767, 2018.
- [2] A. Ghosh, E. Sparrow, and J. Gorman, "Fluid-mechanic interactions between a pipe flow having circumferential pressure variations and a piezometer ring," *International Journal of Numerical Methods for Heat & Fluid Flow*, 2018.

CONFERENCE PROCEEDINGS

- [3] A. Ghosh and D. Sinkovits, "Classroom presentation of code: An alternative peer review process," in *Proceedings of the 19th Koli Calling International Conference on Computing Education Research*, 2019, pp. 1–2.
- [4] A. Ghosh, D. Sinkovits, and K. Wojciechowski, "Improving programming skills through classroom presentation of assignments," in *Proceedings of the 50th ACM Technical Symposium on Computer Science Education*, 2019, pp. 1265–1265.

BOOKS AND CHAPTERS

- [5] J. M. Gorman, E. M. Sparrow, A. Ghosh, and J. P. Abraham, "Enhancement of jet impingement heat transfer by means of jet axis switching," in *Advances in Heat Transfer*, vol. 50, Elsevier, 2018, pp. 1–41.