GAUTHAM KRISHNAMOORTHY
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PROFESSIONAL PREPARATION

Ph.D., *Chemical Engineering*, University of Utah, Salt Lake City **2005**
Guru: Prof. Philip J. Smith

M.S., *Chemical and Fuels Engineering*, University of Utah, Salt Lake City **2002**
Guru(s): Prof. Edward M. Trujillo, Prof. John M. Veranth

B.E., *Chemical Engineering*, Bangalore University, INDIA **1998**

PROFESSIONAL DEVELOPMENT

08/2022 – Present: Ann and Norman Hoffman ***Professor*** of National Defense/Energetics (Tenured), University of North Dakota, Grand Forks, ND

08/2016 – 07/2022: Ann and Norman Hoffman ***Associate Professor*** of National Defense/Energetics (Tenured), University of North Dakota, Grand Forks, ND

08/2011 – 07/2016: Ann and Norman Hoffman ***Assistant Professor*** of National Defense/Energetics (Tenure track), University of North Dakota, Grand Forks, ND

11/2009 - 08/2011: ***Assistant Professor*** (Non - Tenure Track), University of North Dakota, Grand Forks, ND

07/2005 - 10/2009: Consulting Engineer, ANSYS Inc., Lebanon, NH

NOTABLE ACADEMIC AWARDS

- The UND Foundation/McDermott Faculty Award for Excellence in Research and/or Creative Activity (2021)
- Olson Professorship, College of Engineering and Mines (Award for Research, Teaching and Good Citizenship), UND (2018 – 2020)
- Outstanding Professor of the Year (Student's Choice Award for Teaching), School of Engineering and Mines, UND (2012)

AWARDED FUNDING (My share of award money)

- Over **$ 1.4 Million** in awarded funding as PI
- Over **$ 1.1 Million** in awarded funding as Co-PI/Major-Participant

JOURNAL PUBLICATIONS (47 Peer Reviewed Journal Publications)

Citations: ***http://scholar.google.com/citations?user=TAR4Vw4AAAAJ***

TEACHING SUMMARY

Student Assessment of Teaching Scores

- Average from *172 credit hours* of on-campus instruction: **4.59/5.0**
- Average from *119 credit hours* of distance-education sections: **4.45/5.0**

Student Assessment Score Range	Corresponding Standard	% of course sections in which this range was achieved
0 – 2.5	Poor	0
2.5 - 3.5	Below Standard	1
3.5 – 4.25	Meets Standard	17
4.25 - 4.75	Exceeds Standard	60
4.75 - 5	Exceptional	22

Current Teaching Assignments: (*New courses developed by me)

CHE 301: Introduction to Transport Phenomena (4 credits) (Fall)
CHE 422*: Capstone in Energetics (1 credit) (On demand)
CHE 501: Advanced Transport Phenomena (3 credits) (Spring of even years)
CHE 530*: Combustion Theory and Modeling (3 credits) (Spring of odd years)
CHE 531*: Rocket Propulsion (3 credits) (Fall of even years)
CHE 532*: Explosives: Theory and Modeling (3 credits) (Fall of odd years)

Courses Taught in the Past:

Fundamentals of Process Engineering (U. Utah); Chemical Engineering Thermodynamics; Statistics and Numerical Methods; Chemical Engineering Lab III; Chemical Engineering Lab IV; Molecular Thermodynamics and Kinetics; Advanced Separations; Advanced Chemical Engineering Thermodynamics.

STUDENTS SUPERVISED

Post - Doc (1 Current)

Ph. D

Graduated (4): David William James, Lucky Nteke Mulenga, Sam Cowart, Evan Lowry

Current (3): Aaron Koenig, Nasim Gholizadeh, DeMarkus Hodge

M.S

Graduated (9): Hassan Abdul Sater, Md Ashiqur Rahman, Lauren Clarke, Trevor Siedel, KayLee Smith, Ryder Shallbetter, Monika Kuznia, Evan Bloom, Mohamed Zamzam

Current (1): Luke Holtshouser

Under-Graduate Research Assistants (involved 25+ students in research)

NOTABLE PROFESSIONAL SERVICE ACTIVITIES

2018 – Current	ABET coordinator (Chemical Engineering)
2012 – 2018	Graduate Program Director (Chemical Engineering Graduate Program)
2012 – 2017	Graduate Program Director (Environmental Engineering, Sustainable Energy Engineering Graduate Programs)

Journal Reviewer (80 + manuscripts reviewed)

Proposal Reviewer (Department of Energy, Department of Defense, NASA)