

PhD Fellowships

Theoretical and Applied Mechanics (TAM) Graduate Program

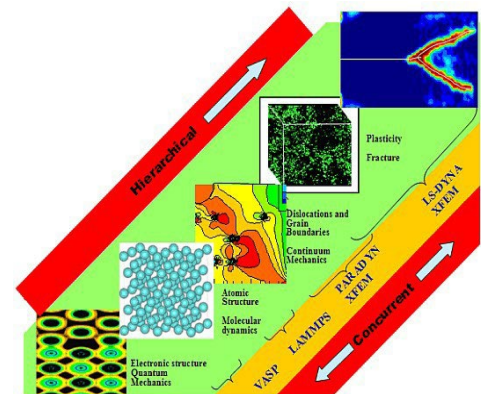
TAM is an interdisciplinary, interdepartmental degree-granting graduate program. It involves faculty from various departments, including Civil and Environmental Engineering, Mechanical Engineering, Materials Science and Engineering, Applied Mathematics, and Biomedical Engineering. The TAM group at Northwestern has a distinguished history and enjoys an excellent national and international reputation. We invite you to explore our website at <http://www.tam.northwestern.edu> to learn more about TAM and learn *how to apply*. Direct questions to Professor Horacio D. Espinosa, TAM Director (espinosa@northwestern.edu).

Research Areas:

- AI and ML
- Computational and Data Science
- Micro/Nanofluidics
- Mechanics for Health
- Mechanics of Nano and Metamaterials
- Design and Optimization

Why join TAM at Northwestern University?

- Exciting interdisciplinary **research programs that put you in the forefront** of cutting-edge research and provide you with a solid foundation, enabling you to be highly adaptive after graduation
- **Excellent reputation of our faculty** (6 National Academy of Engineering members, 3 National Academy of Sciences members, 3 European Academy of Sciences and Arts fellows, highest number of Timoshenko medalists within US mechanics programs)
- Rich experience of a multi-cultural **metropolitan area**
- **All graduate students are supported** on fellowships, research assistantships, and teaching assistantships.



Faculty

Oluwaseyi Balogun
 Zdenek P. Bazant, NAE, NAS, EASA
 Giuseppe Buscarnera
 Jian Cao, NAE
 Wei Chen, NAE
 Gianluca Cusatis
**Horacio D. Espinosa, NAE, EASA,
 RAE, AAAS, TAM Director**
 Sandip Ghosal
 Yonggang Huang, NAE, NAS, EASA
 Sinan Keten
 Sridhar Krishnaswamy
 Seth Lichter
 Michael Miksis
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 Wing-Kam Liu
 Richard Lueptow
 Neelesh A. Patankar
 John W. Rudnicki
 Igal Szleifer
 Petia Vlahovska
 Greg Wagner
 Jane Wang

Chicago view from the Northwestern campus

