

CURRICULUM VITA

1. Name: Jeffrey Lawrence Streator

2. Education:

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| Ph.D. Mechanical Engineering | University of California, Berkeley | 1990 |
| M.S. Mechanical Engineering | University of California, Berkeley | 1986 |
| M.S. Engineering Sciences | Harvard University | 1984 |

3. Academic Experience:

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| Jan. 2022-Present | Prairie View A&M University, Mechanical Engineering Department, Professor& Head, Full-Time. |
| Sep. 1996-Dec. 2021 | Georgia Institute of Technology, Associate Professor, Full-time. |
| Sep. 1990-Aug. 1996 | Georgia Institute of Technology, Assistant Professor, Full-time. |

4. Non-academic Experience

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| Jun. 1985-Aug. 1985 | NASA Ames Research Ctr., Aerospace Engineer, Design calculations on infrared telescope, Full-Time |
| Jun. 1984-Aug. 1985 | NASA Ames Research Ctr., Research Engineer, Launch dynamics and trajectory of comet probe, Full-Time |

5. Certification and professional registration: None

6. Current Membership in Professional Organizations:

Member, ASME (Membership # 2071173)
Member, STLE (Membership # 32512)

7. Honors & Awards

- Fellow of the American Society of Mechanical Engineers, 2010
- Fellow of the Society of Tribologists and Lubrication Engineers, 2010
- Outstanding Faculty Mentor, Women in Engineering, Georgia Tech, 2007
- Ruth and Joel Spira Award for Teaching Excellence, School of Mech. Engr., Georgia Tech, 1998
- Outstanding Professor, Order of Omega, Georgia Tech, 1998
- Young Investigator Award, National Science Foundation, 1992

8. Service Activities (within and outside of the institution) (*selected from last 7 years*)

STLE Fellows Selection Committee 2018-2022
Guest Editor, Frontiers 2022
Editorial Board, Lubricants 2015, 2016, 2020
Chair, ASME Tribology Division Executive Committee 2015-2016

9. Publications and Presentations from the Last Five Years

- Streator, J. "Effects of Microslip during 2D Normal Contact", 3rd African Conference in Tribology, Simone, Senegal, April 13-16, 2022.

- Streator, J. L., 2022, “Static and Kinetic Friction from Nanoscale Slip-A Multiscale Approach Using a 2D Binary Hierarchy of Nodes,” *Frontiers in Materials*, v 8, <https://doi.org/10.3389/fmats.2021.697565>
- Colin Curtis, Jeffrey L. Streator and Jacquelyn Krim (2020). *Friction: Friend and Foe. Surface and Interface Science, Volume 10: Applications of Surface Science II*. Dr. Klaus Wadelt (Ed.), ISBN 978-3-527-41391-2.
- Streator, J. L., “Energy Dissipation in Nanometer-scale Contact and Sliding,” *BALTTRIB* 2019
- International Conference, Kaunas, Lithuania, November 14-16, 2019.
- Müser, M.H., Dapp, W.B., Bugnicourt, R., Streator J., et al., 2017, “Meeting the Contact Mechanics Challenge, *Tribology Letters*, 65: 118.
- Rostami, A. and Streator J. L., 2017, “A Model of Capillary Flow Between Contacting Rough Surfaces,” *Journal of Tribology*, v 139, n 3, p. 031401.

10. Professional Development Activities (*selected from last 7 years*)

Reviewer For: Lubricants
 Reviewer For: Tribology International
 Reviewer For: Tribology Letters
 Reviewer For: Journal of Tribology
 Reviewer For: Journal of Applied Physics
 Reviewer For: Wear
 Reviewer For: Tribology Letters
 Reviewer For: Applied Physics Letters
 Reviewer For: National Science Foundation