**SHAHNAM NAVAEE, Ph.D.**Biographical Sketch

1. **Professional Preparation:**

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| *Institution & Location* | *Major (Area)* | *Degree & Year* |
| Clemson University  Clemson, SC, USA | Structural Mechanics/ Structural Engineering | Ph.D., 1989 |
| Louisiana State University  Baton Rouge, LA, USA | Structural Mechanics/ Structural Engineering | M.S., 1983 |
| Louisiana State University  Baton Rouge, LA, USA | Civil Engineering | B.S., 1980 |

1. **Appointments *(in reverse chronological order)*:**

* *Professor* (2013-Present), Dept. of Civil Engineering and Construction, Georgia Southern University, Statesboro, GA.
* *Interim Chair (*2012-2013)*,* Dept. of Civil Engineering and Construction Management, Georgia Southern University, Statesboro, GA.
* *Associate Dean* (2005-2012), College of Science and Technology, Georgia Southern University, Statesboro, GA.
* *Professor,* Engineering Studies(2004-2005) Georgia Southern University, Statesboro, GA.
* *Associate Professor,* Engineering Studies (1998-2004*)* Georgia Southern University, Statesboro, GA.
* *Assistant Professor,* Engineering Studies(1993-1998)Georgia Southern University, Statesboro, GA.
* *Visiting Assistant Professor,* Dept. of Civil Engineering & Dept. of Mechanical Engineering (1990-1993)Clemson University, Clemson, SC.

1. **Products**

*(i) Five significant products*

1. Navaee, S., & Kang, J., “Finite Element Simulation Models for Mechanics of Materials,” Proceedings of the *2017 ASEE Annual Conference & Exposition*, Columbus, OH, June 25-28, 2017.

2. Navaee, S.**,** & Kang, J., “Enhancement of a Finite Element Analysis Course for Structural Engineering,” *Computers in Education Journal*, Vol. 7, No. 4, Oct.-Dec. 2016, pp. 11-24.

3. Navaee, S., “Application of Web Published Virtual Instruments in Delivering Engineering Instructions and Performing Experimental Research,” *Computers in Education Journal*, Vol. 6, No. 4, Oct.-Dec. 2015, pp. 35-45.

4. Navaee, S., “Development of a Graphical User Interface for Design of Thin Curved Beams,” Proceedings of the *2012 ASME International Mechanical Engineering Congress and Exposition (IMECE), Vol. 3, Houston*, TX, Nov. 9-15, 2012, pp.125-130.

5. Navaee, S., “A Developed Toolkit for Analysis of Large Deflections of Beams,” Proceedings of the *2009 ASME International Mechanical Engineering Congress and Exposition (IMECE), Vol. 7, Lake Buena Vista*, FL, Nov. 13-19, 2009,pp*.* 59-67.

*(ii) Five other significant products*

*1.* Navaee, S., “Application of Technology in Engineering Education,” *Computers in Education Journal*, Vol, XVI, No.3, July-Sept. 2006, pp. 100-111.

2. Navaee, S., “Alternate Approach in Analyzing Structures Utilizing LabVIEW,” Proceedings of the *2004 ASEE Annual Conference & Exposition*, Salt Lake City, Utah, June 20-23, 2004.

3. Navaee, S., & Elling, R.E., "Possible Ranges of End Slope for Cantilever Beams," *Journal of Engineering Mechanics*, ASCE, Vol. 119, No. 3, March 1993, pp. 630-635.

4. Navaee, S., & Elling, R.E., "Equilibrium Configurations of Cantilever Beams Subjected to Inclined End Loads," *Journal of Applied Mechanics*, ASME, Vol. 59, No. 3, Sept. 1992, pp. 572-579.

5. Voyiadjis, G.Z., & Navaee, S., "Finite Strain Contact Problem of Cylinder Embedded in Body," *Journal of Engineering Mechanics*, ASCE, Vol. 110, No. 11, Nov. 1984, pp. 1597-1609

1. **Synergistic Activities**
2. Paper Reviewer & Conference Moderator

Currently serving as a paper reviewer for the following four divisions of ASEE:

1. Mechanics Division
2. CoED Division (Computers in Education) Division
3. Civil Engineering Division
4. Mechanical Engineering Division.

Also, served as the ASEE conference moderator during 2015-2017, and as a moderator for the 2012 ASME International Mechanical Engineering Congress & Exposition (IMECE).

1. Awards & Recognitions
2. *Governor’s Teaching Fellows Award* - Georgia Southern University (2002-2003)
3. *Georgia Southern University Faculty Fellow Award* (2002)
4. *Byars Prize for Excellence in Teaching* - Clemson University (1992)
5. Best paper in the *Transactions of the Canadian Society for Mechanical Engineering* (1984) (Paper Title: "Large Elasto-Plastic Deformations of Work-Hardening Metal Alloys").
6. Affiliate Director, PLTW (Project Lead The Way) - *Georgia Southern University (2006 – 2009)*

While serving as the Associate Dean also served as the *Affiliate* *Director of the PLTW (Project Lead The Way)* at Georgia Southern University for four years. This activity contributed to the College of Science and Technology’s outreach program to better prepare Georgia high school and middle school teachers to teach science and engineering related courses. The objectives of the project were mainly achieved through sponsoring and managing a two-week *Summer Training Institute (STI)* each year at Georgia Southern.

1. Served Administrative Positions
2. Associate Dean, College of Science and Technology - Georgia Southern University

(2005 - 2012)

1. Interim Chair, Department of Civil Engineering & Construction Management

Allen E. Paulson College of Engineering and Information Technology - Georgia Southern University (2012 - 2013 Academic Year)

1. Faculty Research Grants - Georgia Southern University

Served as the Principal Investigator of the following two grant awards:

1. **College of Engineering & Computing Faculty Research SEED Grant***Rehabilitation of Bridge Piers,* Amount:$ 6,655 (Fully-Funded), PI: Navaee, S., Approved Date: Oct. 29, 2018.
2. **College of Engineering & Computing Faculty Research SEED Grant**

*Stability of High Capacity Wind Turbine Towers,* Amount:$14,500 (Fully-Funded), PI:Navaee, S., & Kang, J., Date: Approved Dec. 2, 2015.