

**Education**

<i>Ph.D.</i> , Engineering Management and Systems Engineering	August 2015	Old Dominion University, Norfolk, Virginia
<i>M.Eng.</i> , Systems Engineering	May 2011	Old Dominion University, Norfolk, Virginia
<i>B.S.</i> , Engineering Technology	May 2009	Old Dominion University, Norfolk, Virginia

**Employment**

2024 - Present	<i>Associate Professor</i> , Department of Informatics and Engineering Systems, University of South Carolina Upstate, Spartanburg, South Carolina	
2018 - 2024	<i>Assistant Professor</i> , Department of Informatics and Engineering Systems, University of South Carolina Upstate, Spartanburg, South Carolina	
2015 - 2018	<i>Postdoctoral Researcher</i> , National Centers for System of Systems Engineering (NCSOSE), Old Dominion University Research Foundation, Norfolk, Virginia	
2015 - 2015	<i>Visiting Research Fellow</i> , Politecnico di Milano, Energy Department - Nuclear Division, Lab. of Signal and Risk Analysis, Milano, Italy	

**Courses Taught at USC Upstate**

Manufacturing Leadership I	Complex Manufacturing Management
Manufacturing Work Practices	Complex Manufacturing Governance
Manufacturing Leadership II	Systems Decision Making
Manufacturing Project Management	Systems Decision Making Lab
Internship	Senior Seminar (Engineering Technology Management)
Systems Engineering Management	Senior Seminar (Advanced Manufacturing Management)
Applied Systems Thinking	Strategic Planning in Health Information Systems

**Scholarly Productivity** (Selected from 45 Journals | 41 Conferences | 6 Special Issues | 1 Encyclopedia Entry | 11 Books | 64 Book Chapters | 2 Poster | 45 Others Publications) | [Google Scholar Citations](#): 2,000+; *h-index*: 25; *i10-index*: 49. Current as of August 2024 | \*\*indicates undergraduate co-author.

- Katina, P. F.**, Cash, C. T.\*\*, Caldwell, L. R.\*\*, Beck, C. M.\*\*, & Katina, J. J. (2023). Advanced manufacturing management: A systematic literature review. *Sustainability*, 15(6), 4702. <https://doi.org/10.3390/su15064702>
- Rahman, S., Hossain, N.U.I., Moktadir, Md. A., Mithun Ali, S., **Katina, P.F.**, & Islam, Md. S. (2022). A decision support model to assess organizational resilience in the textile industry. *International Journal of Management Science and Engineering Management*, 0(0), 1–10. <https://doi.org/10.1080/17509653.2022.2157901>. Acceptance Rate = 8%
- Hallioui, A., Herrou, B., Santos, R. S., **Katina, P. F.**, & Egbue, O. (2022). Systems-based approach to contemporary business management: An enabler of business sustainability in a context of industry 4.0, circular economy, competitiveness and diverse stakeholders. *Journal of Cleaner Production*, 133819. <https://doi.org/10.1016/j.jclepro.2022.133819>. Impact Factor = 11.072
- Brocal, F., González, C., Komljenovic, D., **Katina, P.F.**, & Sebastián, M. A. (2019). Emerging risk management in industry 4.0: An approach to improve organizational and human performance in the complex systems. *Complexity*, 2019, 1–13. <https://doi.org/10.1155/2019/2089763> Acceptance Rate = 22%

**Grants Received**

**NSF EPSCoR RII Track-2 FEC: Enabling Factory to Factory (F2F) Networking for Future Manufacturing: National Science Foundation** (\$24,996.00), “IoT-Based Manufacturing: A System of Systems Engineering Framework and Curriculum Development”

**Service (Selected)**

- Member**, *USC Upstate Faculty Senate*, 2019 – 2020.
- Member**, *Academic Affairs Committee*, 2020 – 2023.
- Member**, *USC Upstate Assessment Committee*, 2022 – Present.
- Member**, *Dean of the College of Science and Technology Search Committee*, 2019.
- Reviewer**, *Magellan Scholar Review Committee*, Fall 2019, Spring 2020, Fall 2020, Spring 2022.
- Editor**, *Discrete Dynamics in Nature and Society*, Wiley. Impact Factor: 1.457, 2020 – Present.
- Editor**, *International Journal of Critical Infrastructures*, Inderscience. CiteScore: 2.3, 2019 – Present.

**Awards, Honors, & Recognition (Selected)**

- Recipient**, *2020-2021 College of Science & Technology “Excellence in Teaching & Advising” Award*.
- Recipient**, *2020 International Academy of Astronautics Social Sciences Book Award*, International Academy of Astronautics, Paris, France.
- Recipient**, *2022 Meritorious Service Award*, ASEM: American Society for Engineering Management. Tampa, Florida.
- Status Elevation**: *Senior Member*, IEEE: Institute of Electrical and Electronics Engineers.