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KEYNOTE
SPEAKER

Rahul C. Basole, Ph.D.

Accenture
Managing Director and Global Lead for Visualization
and Interaction Science; AI Strategy

Visualizing Complex Systems:
The Power of Data and AI

Biography. Rahul C. Basole, Ph.D., is Managing Director and Global Lead for Visualization and Interaction Science (VIS) at Accenture, focusing on new capabilities, growth strategy, and talent development at the intersection of visualization, data science, machine learning, AI, and strategy. His expertise includes advancing and applying novel, interactive, human-centered, and AI-enabled approaches to understanding and managing complex processes, enterprises, and ecosystems and bringing effective data-driven visual solutions and strategies to the C-suite.

He is a globally recognized thought leader in visualization, enterprise analytics, and AI strategy, was named to Stanford University's Global List of Top 2% Scientists for both single-year and overall career impact in 2022 and 2023, and his award-winning work has been published in leading management, computer science, and engineering journals and conferences. He is currently a Department Editor of IEEE Computer Graphics & Applications, an Advisory Board Member of Electronic Markets, and former Editor-in-Chief of the IIE/INCOSE Journal of Enterprise Transformation. He is also a Senior Member of the ACM and IEEE.

In his prior role, he was a tenured professor in the College of Computing at the Georgia Institute of Technology and a founding faculty member of the Georgia Tech Visualization Lab. He was also a faculty member of the GVU Institute, a Fellow of the Batten Institute at the Darden School of Business, and a Visiting Faculty at Stanford University.

He holds a B.S. in industrial and systems engineering from Virginia Tech, a M.S. in industrial and operations engineering from the University of Michigan, and a Ph.D. in industrial and systems engineering from Georgia Tech.

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Abstract. Complex systems are ubiquitous, ranging from natural and engineered to social and organizational systems. They come in many forms, operate at multiple scales, and are increasingly intertwined. Visualizations provide decision makers the potential to comprehensively understand, design, and manage such complex systems. But there is both an art and science to creating truly effective, meaningful, and engaging visualizations of complex systems. This keynote will provide a rapid journey across the evolving visualization landscape, offering insights into key considerations, guidelines, and rules through illustrative examples, highlighting opportunities and challenges for data and AI, and providing a glimpse into emerging trajectories.