

# International Symposium on Artificial Intelligence - Machine Learning in Safety Critical Systems

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## PROFILE



### **Dr. Seema Chopra**

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Data Analytics, Boeing Research and Technology, India**

Dr Seema Chopra is working as Global Technical Leader/Principal Data Scientist - Data Analytics at Boeing Research and Technology, India. She has recognised as the part of Boeing Technical Fellowship and became Boeing India's first 'Associate Technical Fellow' for Artificial Intelligence. Her current focus includes developing next generation advanced health management technologies using analytics and big data platforms to process large data in cloud and on enterprise cluster for commercial and defence applications.

Seema is certified Black belt - DFSS Lean Six Sigma, senior member of IEEE and has 16 patents, 10 Trade secrets and 35+ publications in various International/National journals & conferences, 8 Technical reports and writing a book chapter on "Advancement in Smart Manufacturing: Trends and Directions" with Springer. She received several awards for leadership and technical expertise including 2021 IEEE TEMS Women Achiever Award, 2021 BDS Global Team of the year award, Society of Women Engineers 2021 Patent Recognition Award, 2019 IEEE Women in Engineering Achiever Award, PHM Expertise award from President & CEO, GE Power Gen Services and GE Impact award from CEO of GE, for volunteering on Mid-Day meal. She was listed as one of top 51 Indian Women Achiever and her contributions to STEM are published in e-Book on "Indian Women in STEM " by CII Tamil Nadu Technology Development & Promotion Centre (TNTDPC).

Prior to this role, she was with GE as a PHM (Prognostic Health Management) Technical Leader and was involved in design and developing prognostic health management technologies to enable strategic growth for Condition Based Maintenance for Gas turbines. Seema earned her doctorate degree in Control engineering from IIT Roorkee, India and the focused area was to design Fuzzy Controller with Intelligent Design Approaches with reduced rule set.