

Sushil Birla



- **Name:** Sushil Birla
- **Professional Title:** Senior Technical Advisor
- **Organization:** U.S. Nuclear Regulatory Commission
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- **Contact Info:**
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Biography

Dr. Sushil Birla (PhD University of Michigan, Ann Arbor - Computer Engineering) is a Senior Technical Advisor at the U.S. Nuclear Regulatory Commission. His current interest is focused on nuclear regulatory research for digital safety systems, e.g., developing the technical basis for safety review guidance. Formerly, Dr. Birla was a Technical Fellow with General Motors Research and Development, Electrical and Controls Integration Lab, earning the coveted Kettering Award. His experience includes:

- * Engineering and evaluation of safety-critical, software-intensive systems in the automotive industry.
- * Specification and evaluation of engineering automation.
- * Development of industrial automation.
- * Chairman, former Sector Board 3, International Electrotechnical Commission (IEC).
- * Expert member and contributor to various IEC/ISO working groups developing standards relevant to Digital Instrumentation and Control systems, e.g. ISO 26262 and IEC 61499.
- * Author of many articles and reviews for publications of professional societies such as the ACM and IEEE.
- * Member, USAF-sponsored "Machine Tool Task Force" and award-winning contributor to its study, "Technology of Machine Tools" including his landmark

report, "Sensors for Adaptive Control and Machine Diagnostics" cited by over 150 articles and used for teaching in many universities.



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