

**Slobodan P. Simonovic**

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Dr. Simonovic has over thirty five years of research, teaching and consulting experience in water resources engineering. He is teaching courses in civil engineering and water resources systems. He actively works for national and international professional organizations. He has received a number of awards for excellence in teaching, research and outreach. He has been inducted into the Canadian Academy of Engineering in June of 2013. Dr. Simonovic has been invited to present special courses for practicing water resources engineers in many countries. He is assisting in the publication of water resources Journals, and participates actively in the organization of national and international meetings. He has published over 450 professional publications and three major textbooks.

Dr. Simonovic's primary research interest focuses on *the application of systems approach* to, and development of the decision support tools for, management of complex water and environmental systems. Most of his work is related to the application of computerized simulation, optimization and multi-objective analysis tools in deterministic, probabilistic and fuzzy form. The second focus area of Dr. Simonovic's research includes *risk management*. He is developing, and implementing, probabilistic and fuzzy set methods for water resources risk management. He has undertaken applied research projects that integrate the mathematical modeling, spatial and temporal data-base management and intelligent interface development into decision support tools for water resources decision makers. Most of his research is being conducted through the Facility for Intelligent Decision Support (FIDS) at the University of Western Ontario.

Expertise:

*Subject Matter* - Systems modeling; Risk management; Water resources and environmental systems analysis; Computer-based decision support systems development; Water resources education and training.

*Topical Area* - Flood control; Hydropower energy; Reservoirs; Operational hydrology; Climatic Change; Integrated water resources management.