

Slobodan P. Simonovic

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Dr. Simonovic has over thirty 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. 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 350 professional publications and two 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 integration of risk, reliability, uncertainty, simulation and optimization in hydrology and water resources management. He has undertaken applied research projects that integrate the mathematical modelling, data-base management, geographic information systems 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 and reliability; Water resources and environmental systems analysis; Computer-based decision support systems development; Water resources education and training.

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