
NEW MEMBER OF THE EDITORIAL BOARD



Sanja Miskovic

CURRENT AFFILIATION

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FIELD OF EXPERTISE

Numerical modeling of complex multiphase and multicomponent systems using high-performance computing (CFD, DEM, PBM); Experimental fluid dynamics (ERT, PIV, RTD, RPT); Process intensification – Microreactor research;

Particulate processing; Mineralogy; Discovery of new knowledge from massive industrial data.

BIOGRAPHY

Sanja Miskovic is an Assistant Professor in the Norman B. Keevil Institute of Mining Engineering at the University of British Columbia. She received her Ph.D. degree in mining and minerals engineering from Virginia Tech in 2011 and her B.Eng. and M.Sc. degrees in chemical and environmental engineering from the University of Novi Sad.

Sanja's expertise is in the broad area of separation science and particle technology as related to minerals industry. Sanja's research interests center upon improving the understanding, design, and performance of mineral processing units and systems, mainly through the application of advanced numerical models and novel experimental techniques.

In her research work, she utilizes the numerical and experimental techniques to evaluate and understand the relationships between flow dynamics, machine design, and process efficiency of complex multiphase and multicomponent systems.

Currently, Sanja's research group is working on the development of advanced measurement techniques for multiphase flow characterization and process diagnostics. She is also actively involved in the research on optimization and control of mineral processing units and circuits for increased plant availability, increased productivity, and reduction of water and energy consumption.

She has more than 30 publications and is actively involved with the organization of SME, IMPC, and AIChE events. She is an active member of SME, AIChE, and ANS societies.

Sanja Miskovic is a recipient of the prestigious University of Utah Beacons of Excellence Award for creating transformational experiences that empower students. While at Virginia Tech, she received a prestigious Henry DeWitt Smith Scholarship by AIME/SME and Dean's Pratt Fellowship for Research and Academic Accomplishments.