Prof. Vladimir Nikora
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Professor Vladimir Nikora is Sixth Century Chair in Environmental Fluid Mechanics at the School of Engineering, University of Aberdeen (UK), where he serves as Leader and Academic Line Manager for the Mechanics of Fluids, Soils and Structures Research Group. His main research areas relate to turbulent flows, sediment dynamics, hydraulic resistance, flow-biota interactions, and experimental methods. He has published extensively on these topics and initiated research networks to promote novel ideas in waterway hydraulics such as double-averaging methodology for rough-bed flows. Professor Nikora is Fellow of the Royal Academy of Engineering and the Royal Society of Edinburgh (UK).

He joined IAHR in 1997 and since then has served as secretary, vice-chair and chair of the Committee on Experimental Methods and Instrumentation (2001-2009) and Editor of the Journal of Hydraulic Research (JHR, 2011-2016). Nikora's current involvement with IAHR includes membership in the IAHR Council, JHR Associate Editorship, and Advisory Editorship of the Journal of Ecohydraulics. He is also vice-chair of the Committee on Fluid Mechanics.

Statement

It is a great privilege to be selected by the Nominating Committee for the election for IAHR Vice-Presidency. This election is happening at a time when IAHR is deeply focused on its strategic vision of bringing together engineers and researchers to contribute to the UN Sustainable Development Goals. The achievement of these Goals largely depends on water quantity, quality, and availability, highlighting significant role of IAHR. Motivated by the IAHR Strategic Plan 2020-2023, I would particularly work towards:

- Refinement and maintenance of high-quality publications and their wide-ranging impact. IAHR publications remain among most rewarding IAHR outputs and therefore need constant attention to meet traditional and quickly emerging demands of the IAHR community. I believe my recent experience with JHR and other editorial works would help enhance and diversify this activity.
- Enhancement of inter- and trans-disciplinary activities. Modern engineering has increasingly become cross-disciplinary and this global tendency is to be reflected in the IAHR subject areas. I would help develop IAHR activities at the interfaces between hydraulics and aquatic ecology, renewable energy, geophysics, hydrology, geomorphology, and social sciences. This would also strengthen links with other professional organisations (e.g., AGU, ASLO and similar) and help attract new membership from non-traditional fields.
- Engagement of emerging engineers and researchers in addressing the global water challenges. This activity needs constant consideration and I would regard it among top priorities, helping to build a strong cohort of open-minded and ambitious hydro-environment engineers and researchers.
- Expansion and strengthening of the diversity of the IAHR family. The current representation of different countries at IAHR remains uneven and I would undertake efforts to enhance IAHR visibility and activities in under-represented areas, particularly in Africa and Middle East.