

ETIP HYDROPOWER Governing Board Application form

| | |
|--|--|
| Name and surname | Bogdan POPA |
| Photo |  |
| Name of entity (e.g. company, association, etc.) | National University of Science and Technology POLITEHNICA Bucharest |
| Job title / role | Professor |
| Stakeholder category | <input type="checkbox"/> Hydropower industry and technology ¹ <input type="checkbox"/> Operator/owner of large hydropower plants and/or pumped storage plant(s) <input type="checkbox"/> Independent operator/owner of small hydropower plant(s) <input type="checkbox"/> Design, planning and project development <input type="checkbox"/> Finance, business and insurance ² <input checked="" type="checkbox"/> Research, innovation and development ³ <input type="checkbox"/> Environment and civil society ⁴ |
| Country | Romania |
| Previous experience (1300 characters with spaces) | <p>Bogdan Popa, Full Professor, graduated in hydropower engineering from the University Politehnica of Bucharest in 1990 and subsequently worked for two and a half years as project designer in AQUAPROIECT Institute, before joining the same university as assistant professor; here, in 2008, he obtained the PhD degree in power engineering. Now, full Professor with the Faculty of Energy Engineering, he holds lectures in hydropower engineering, integrated water resources management, and small hydropower plants.</p> <p>Co-author of 16 books, manuals and guidelines, 25 papers highly recognized (indexed in Web of Science), more than 25 papers indexed in other scientific databases, team Leader of the Romanian partner, University Politehnica of Bucharest, in 4 and member in other 5 international projects, team Leader in 4 and member in other 19 national projects, team Leader in</p> |

¹ Equipment supplier and/or manufacturer, maintenance industry, etc.

² Financial, legal & developing institutions, development, public or commercial banks, financial organisations, and private investors/investment funds, international monetary fund, insurance, legal advisors, etc.

³ R&D institutions, research centers and institutes of universities, etc.

⁴ Environmental or conservation NGO's, civil society associations, policy makers, water resources associations, project stakeholders, etc.

| | |
|---|--|
| | <p>3 and member in other 30 RES related projects with Romanian companies.</p> <p>Membership in professional organisations: EREF – European Renewable Energies Federation, since 2020 member of the GB; IAHR – International Association for Hydro-Environment Engineering and Research (ID 29761); IEEE; President of ROSHA – Romanian Small Hydropower Association and some other wellknown Romanian associations related to power engineering.</p> |
| <p>Motivation to become Governing Board member (1300 characters with spaces)</p> | <p>I strongly desire to represent the hydropower sector in Romania, and even this part of the world - SEE, at European level. Cultivating and promoting the field of HYDROPOWER and WATER RESOURCES MANAGEMENT is the central pillar of my teaching and research activities. In recent years, although it represents, with 7 GW, about a third of the installed capacity and electricity generation in the Romanian National Energy System, hydropower has become the Cinderella of power plants. It is estimated for the next 6 years the development of more than 10 TW in PV and wind turbines, also some TW in nuclear, and it looks that the politicians forget about hydropower. I want to put all my energy into the rehabilitation of hydropower, with a remaining potential of more than 5 TW, and this can only be done through the correct education and understanding of all aspects related to the existence and operation of hydropower plants, as: they involve storing water that they share with other water uses (water supply to the population and industry, irrigation, fish farming, waterways, recreation); performs system technology services; Pumped storage plants are the only viable and real way of storing and redistributing electricity over time at national level, with a potential of more than 4 TW in Romania.</p> |