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**Date: Friday, 11th September 2020**

**Time: 14.00 – 16.30 (NPT)**

**Registration link: <https://bit.ly/3hgoa5a>**

Talk Series (NTNU Energy): Episode 2

A Webinar on

**“Hydropower to Hydrogen in Nepal:  
Opportunities, Challenges and  
Way Forward”**



# SCHEDULE

**14:00** – Opening remarks from NTNU Alumni Nepal official

**14:05** – Prof. Bholu Thapa, Setting up the stage: Nepal Norway Cooperation in R&D for Hydropower Developments

**14:15** – Mr. Krishna Prasad Acharya, Current challenges for private hydropower developers in Nepal and way forward

**14:30** – Prof. Krishna Kantha Panthi, Preparedness of Hydropower sector in Nepal for alternative directions

**14:45** – Prof. Ole Gunnar Dahlhaug, European perspectives on H2H applications and message to Nepal

**15:00** – Assist. Prof. Biraj Singh Thapa, Opportunities from Hydropower to Hydrogen in Nepal and initiatives from KU

**15:15** – Prof. Bruno G. Pollet, Challenges with hydrogen technologies and lesson learned by NTNU

**15:30** – Er. Hitendra Dev Shakya, Government priorities for sustainable hydropower development in Nepal and Role of NEA

**15:45** – Discussions

**16:00** – Remarks from Norwegian Embassy/ NTNU Officials/ KU officials

**16:20** – Vote of Thanks and Closing

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# Brief Biography of the Speakers



**Prof. Bhola Thapa** is Professor at the Department of Mechanical Engineering at Kathmandu University. He is the member of operation and management committee of Turbine Testing Lab, and Advisor of Green Hydrogen Lab at Kathmandu University. He has served KU as the Head of Mechanical Engineering Department; Dean School of Engineering, Registrar, and Acting Vice-Chancellor. He has completed his PhD from NTNU on 2002 in field of Sediment erosion in hydraulic machines.

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**Dr. Biraj Singh Thapa** is Assistant Professor at the Department of Mechanical Engineering at Kathmandu University. He is serving as the Faculty In-Charge of Turbine Testing Lab, and Team Leader of Green Hydrogen Lab at Kathmandu University. He has completed his PhD from NTNU on 2016 in the fields of Sediment erosion in Francis Turbines.

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**Prof. Bruno G. Pollet** is a Professor at the Department of Energy and Process Engineering at NTNU. He is the Leader of Team Hydrogen at NTNU, which is the largest hydrogen project in Norway.

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**Prof. Ole Gunnar Dahlhaug** is a Professor at the Department of Energy and Process Engineering at NTNU. He is the Leader of HydroCen Project at NTNU, which the largest R&D project in hydropower in Europe.

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# Brief Biography of the Speakers



**Prof. Krishna Kantha Panthi** is a Professor at the Department of Geoscience and Petroleum at NTNU. He has 27 years of experience in research and implementation of rock engineering, tunneling and hydropower projects. He has contributed to the development of many hydropower projects in Nepal and is still very active in the Nepalese hydropower community.

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**Mr. Krishna Prasad Acharya** is the President of Independent Power Producers' Association Nepal (IPPAN). IPPAN was established in the year 2001 with the intention of encouraging the private sector to work in the area of hydropower in Nepal. He is Executive Chairperson of Peoples Energy Ltd developing Khimti-II HEP 48.8 MW project and also Chairman and Director of several hydropower projects

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**Er. Hitendra Dev Shakya**, Managing Director at NEA Engineering Company Limited, which is a Nepal Government owned company, established to provide complete engineering services and solutions to hydropowers and infrastructures. He has a multitude of work expertise. He is positioned as the director of Nepal Electricity Authority. He also served as a power sector specialist at the Office of Millennium Challenge Nepal. Currently he is a PhD candidate at KU with the subject of Electricity Trade Policies.

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