

# MONTHLY BULLETIN

## TURBINE TESTING LAB

### SEPTEMBER, 2024

Participation in **32nd Symposium on Hydraulic Machinery and Systems (IAHR)**, September 11-14, 2024 with 6 papers from TTL



Participation of TTL in IAHR 2024, IIT-Roorkee, India



### Decisions from 32nd Executive Committee Meeting of IAHR

- Nomination of Prof. Hari Prasad Neopane as the EC member of IAHR
- TTL-KU to host IAHR 2028 in Nepal

Announcement of **CRHT – XIII** in the following link: <https://ttl.ku.edu.np/crht-xiii/>  
The event is planned to take place on April 7, 2025.

3 papers from the research works of TTL published in the proceedings of **University Scholar Conference (USC 2023)**, IOP Conference Series: Materials Science and Engineering. Link to the papers: <https://iopscience.iop.org/issue/1757-899X/1314/1>

### List of papers presented in IAHR-32

- Numerical study of flow phenomena and erosion in three GV cascade rig, **Kushal Shrestha et. al.**
- Signature investigation of misaligned jet in Pelton turbines due to flow obstruction in nozzle, **Sailesh Chitrakar et. al.**
- Comparison of discharge characteristics of Pelton injector estimated by empirical relation, numerical simulation and experiment, **Sajan Shrestha et. al.**
- Numerical study on the optimal design of straight-through labyrinth seals for minimum leakage loss of Francis turbine, **Mamata Rijal et. al.**
- Experimental investigations of sediment erosion in guide vanes of Francis turbine, **Ravi Poudel et. al.**
- Numerical study of nozzle erosion and its cascading impact on jet quality, **Arun Pandey et. al.**