



Operation Management Committee (OMC) of TTL

- New OMC of TTL has been formed as per decision of **Executive Council-KU** effective from 07/03/2018 and is valid for 3 years.
- Members of OMC-TTL comprises of Chairman (Dean- SoE)- Dr. Damber Bdr. Nepali; Faculty Incharge and Member Secretary – Dr. Biraj Singh Thapa; and members Prof. Bhola Thapa (Registrar-KU), Dr. Hari Pd. Neopane (HoD, DoME-KU), Prof. Tri Ratna Bajracharya (Dean-IOE), Mr. Kulman Ghising (MD-NEA) and Prof. Ole Gunnar Dahlhaug (Professor- NTNU)

Energize Nepal Project

- Modifications in turbine components; bearing hub, shaft and draft tube required.
- Detailed discussion conducted with Prof. Ole Gunnar Dahlhaug on 19th March for installation of **calibration tank** at TTL.
- Development of LabVIEW program for **instrumentation** purpose.

Lab Activities

- Inspection of relocation & maintenance works of **valves/ connections** in the main pipeline in the lab.
- Organized CRHT-VIII symposium.
- Organized one day training program on “Advancement in turbine and hydropower technology” (**ATHT**).
- Organized **research seminar** on “Design of Francis turbine for low head applications” on 30th March for TTL members.

CRHT-VIII Symposium

- 8th International Symposium on Current Research in Hydraulic Turbines (**CRHT-VIII**) held on 20th March, 2018.
- **10 keynotes & featured presentation** from KUTTTL-Nepal, ICH- Norway; Theun- Hinboun Power Company- Laos, Druk Green Power Corporation-Bhutan, Himal Power Limited-Nepal, NTNU-Norway, Wuhan University- China, IIT-Roorkee- India and Mokpo National University- S. Korea
- 22 papers/presentations representing KU, NTNU (Norway) and IIT, Roorkee (India) and Mokpo National University, Korea conducted in **3 parallel sessions** as per respective thematic areas.

For more detail please click [here](#)



Training/ Workshop

- One day training on “Advancement in turbine and hydropower technology” (ATHT) held on 21st March, 2018.
- Training sessions conducted by Mr. Simen Vogt Svendsen, Maintenance Manager of Theun-Hinboun, Laos; Mr. Ugyen Rinzin, Scientific Officer from Druk Green Power Corporation Ltd, Bhutan and Prof. Ole Gunnar Dahlhaug from Norwegian University of Science and Technology, Norway.
- Represented by participants from academia (KU, IOE & IIT, Roorkee) and authorities & industries (NEA, NMHDA, PEEDA, NYS & Chainlink Engineering) working in the field of hydropower in Nepal and abroad.

For more detail please click [here](#)

Site Visit/ Conference

- A team from TTL led by Prof. Bhola Thapa along with the personnel from NMHDA made a site visit to Pharping on 25th March for feasibility study of installation of Francis turbine at Tinmul Khola.
- Dr. Hari Pd. Neopane and Dr. Biraj Singh Thapa attended 5th International Conference on Developments in Renewable Energy Technology (ICDRET'18) organized by School of Engineering, KU from 29-31 March as chairs in technical sessions at Hotel Radisson, Lazimpat.
- Mr. Nirmal Acharya, Research Associate-TTL presented in the session “Hydropower” with topic- Design and development of Cross-flow turbine test rig at Turbine Testing Lab for better sediment handling in ICDRET'18.
- Mr. Sailesh Chitrakar, PhD student-TTL presented in the session “Hydropower” with topic- Blade design optimization of hydrostatic pressure converter for Ultra-low head sites in ICDRET'18.

Activities of ENEP PhD student

- Numerical analysis of Francis runner of Jhimruk hydropower with different guide vane profiles for better sediment handling.
- Paper presentation in CRHTVIII'18 symposium on “Effects of guide vane profiles on performance of Francis runner”.



Activities of ENEP master student

- Design & numerical computation of low head Francis turbine: A case study of [Sunkoshi Hydropower project](#).
- Paper presentation in CRHTVIII'18 symposium on "[Design of Low head Francis runner using Bovet method](#)".

Lab Visits

- Visit by [Dr. Damber Bahadur Nepali](#), newly appointed Dean, School of Engineering, KU on 13th March.
- Visit by [Prof. Dr. Karsten Schimdt](#), Programme Director-Mechantronics, Frankfurt University of Applied Sciences, Germany on 13th March.
- Visit by [Prof. Ole Gunnar Dahlhaug](#), NTNU, Trondheim, Norway with some of his students on 19th March.
- Visit by [Dr. Guo Zhiwei](#) and one of his student from School of Water Resources and Hydropower Engineering, Wuhan University, P.R. China on 19th March.
- Visit by [Masters and PhD students from NTNU](#) on 20th March.
- Visit by the delegates from [Indian Institute of Technology \(IIT, Roorkee\)](#) on 21st March.
- Visit by [Prof. Young- Do Choi](#), Mokpo National University, S. Korea on 21st March.