

Thermoflow's Gas Turbine, Combined Cycle and Cogeneration System Workshop

SEOUL, KOREA 12-13 JUNE 2019

The 2-day Workshop is intended for users who have basic experience using Thermoflow's GT PRO, GT MASTER, and THERMOFLEX software.

The Workshop is based on carefully selected samples, covering advanced features of GT PRO, GT MASTER and THERMOFLEX.

The objective of the Workshop is to enhance attendees' ability to utilize the software for design of GTCC and cogeneration systems, and combining thermal power plants with renewables.

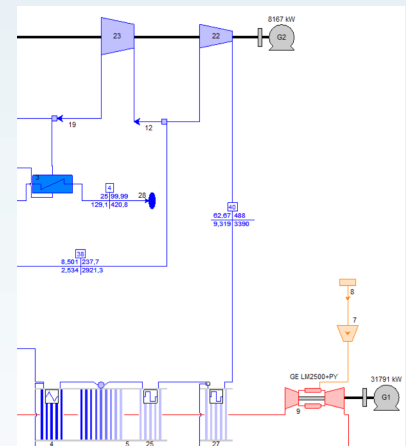
Please find the **AGENDA** on the back side.

Course Rate: US\$ 2,800

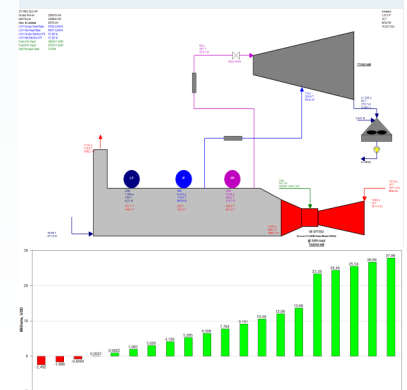
Early Bird Rate: US\$ 2,500

Early Bird Registration Deadline: 13 May 2019.

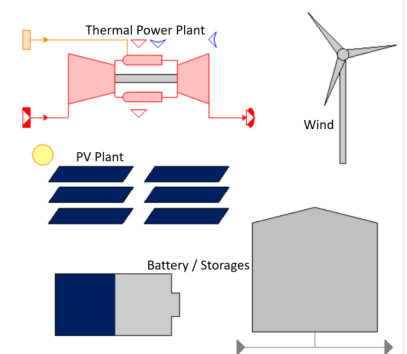
Register and further information
on Thermoflow's website: www.thermoflow.com
For any questions, please contact Thermoflow at:
info@thermoflow.com



DISTRICT HEATING



TECHNO-ECONOMIC
OPTIMIZATION



COMBINING WITH
RENEWABLES &
STORAGES

Thermoflow Inc.

31 January 2019

DRAFT AGENDA

DAY 1

Content	Topic / Feature
Conceptual Design / Project Screening: <ul style="list-style-type: none"> ◆ at the design point ◆ applying Annual Yield Simulation 	GT PRO / GT MASTER / PEACE / PDE TIME ELINK
Gas Turbine <ul style="list-style-type: none"> ◆ Vendor Data Matching ◆ User-Defined GT Model GT Inlet Conditioning <ul style="list-style-type: none"> ◆ Inlet Cooling with Absorption Chillers and Storage ◆ GT Fuel Heating 	Basics - Thermoflow's GT Database GT TUNING GT TEMPLATE Discussion of technologies. Sample storage operation in THERMOFLEX
HRSG Design <ul style="list-style-type: none"> ◆ 1p-, 2p-, 3p Reheat Systems HRSG Optimization in GT PRO / GT MASTER <ul style="list-style-type: none"> ◆ Overall HRSG ◆ Convective Superheater at various operating points 	Basics of HRSG Design. GT PRO, GT MASTER: Multi-Design Point Feature
Steam Turbine <ul style="list-style-type: none"> ◆ Group Design, Optimization of ST Group intake capacity for extraction steam turbines for Cogen Plants ◆ Exhaust End Design and Exhaust End Optimization. ◆ Controlled and uncontrolled ST extractions. Steam Turbine Vendor Data Matching <ul style="list-style-type: none"> ◆ User-defined ST Performance ◆ Create a ST Catalogue 	GT PRO, GT MASTER, THERMOFLEX Autom. Steam Turbine efficiency estimation in GT PRO, THERMOFLEX Manually adjusting ST Group design THERMOFLEX Steam Turbine Assembly , autom. ST Group efficiency estimation Curve-Defined ST Performance
Cooling Systems <ul style="list-style-type: none"> ◆ Sample: Optimization of cooling system capacity 	GT MASTER Cooling System Optimizer ELINK / TIME
District Heating / Cogen Plants <ul style="list-style-type: none"> ◆ Sample: Advanced District Heating Systems in THERMOFLEX 	THERMOFLEX Control Loop Logical Components
Combining GTs/GTCC/Recips with Renewables (Wind, PV) <ul style="list-style-type: none"> ◆ Selected Samples 	NOVO PRO, THERMOFLEX Annual Yield Simulation Thermal Backup Systems (Optimize Capacity/Sizing) Integrating Storages (Battery, Hydro)
THERMOFLEX Scripting and User-Defined Components <ul style="list-style-type: none"> ◆ Introduction ◆ Running external programs in THERMOFLEX. 	Introduction & Sample THERMOFLEX User-Defined Component & Scripting

DAY 2