

Special Session on:

Intelligent Clean Energy, Transportation & Production Facilities

Chair: Hossam A.Gabbar, TC on Intelligent Green Production Systems (IGPS)

This special session will provide forum to discuss latest research results and state-of-the-art clean technologies for smart energy and production systems and infrastructures. Researchers, scientists, and professionals from industry and academia will exchange ideas and discuss latest methods and best practices about clean technologies in different disciplines such as aerospace, marine, defense, manufacturing, oil & gas, chemical / pharmaceutical process industry, energy and transportation infrastructures, and residential and commercial facilities. Advanced evolutionary and computational intelligence techniques along with embedded systems and intelligent control systems will be utilized to achieve clean technologies that will be demonstrated with case studies in number of applications.

The session welcomes paper in the following topics:

- Intelligent green production systems
- Intelligent safety systems
- Clean waste-to-energy systems
- Smart energy grids
- Intelligent clean power infrastructures
- Intelligent gas-power and hydrogen infrastructures
- Intelligent clean transportation systems
- Intelligent clean aerospace / marine
- Intelligent clean chemical / pharmaceutical process industry
- Intelligent clean manufacturing systems
- Intelligent clean oil & gas production facilities
- Intelligent clean residential and commercial facilities

For more information, please contact the session chair: Dr. Hossam A.Gabbar, Professor, UOIT, Canada, E-mail: Hossam.gabbar@uoit.ca