

Monday October 17

8:00 - 8:30 am
(Foyer)

Registration & Breakfast

Daily Sponsor:



8:30 - 8:45 am (Alberta)

Welcome

Jim McArthur, Vice President, Operations,
Innovative Steam Technologies; Chairman IAGT

FUEL COMBUSTION AND EMISSIONS

Wajid Chishty, Chair

Lawrence Kaempffer, Vice Chair

8:45 - 9:30 am (Alberta)

Keynote Address - Technology Innovation for Future Cleaner Energy Applications

Ian Potter, Vice-President, NRC Engineering,
National Research Council

9:30 - 10:15 am (Alberta)

Training Session 1: Gas Turbine Basics

Donald MacDonald, Engineering Team Lead,
Functional Systems Integration, H63 & Gzero,
Rolls-Royce

10:15 - 10:30 am (Foyer)

Refreshments

10:30 - 11:45 am (Alberta)

Training Session 2: Gas Turbine Selection Criteria (Aero/Frame, DLE, Steam/Water Injection etc.)

Lawrence Kaempffer / Ken Walls (IAGT committee)

11:45 - 12:45 pm
(New Brunswick)

Luncheon

Sponsored by:



12:45 - 1:30 pm (Alberta)

Training Session 3: Air Pollution and GHG Emissions

Manfred Klein, Energy R&D,
National Research Council Canada

1:30 - 2:00 pm (Alberta)

11-IAGT-101: Satisfying the LNG Industry's Requirements for Agile Operation on High C2+ and Inert Content Gas Fuels in Rolls-Royce Aero-derivative Industrial Gas Turbines

Brian J. Nolan, Assistant Chief Engineer
Industrial RB211 & Fleet Gas Generators,
Rolls-Royce Canada Ltd

2:00 - 2:30 pm (Alberta)

11-IAGT-102: Data from Predictive Emission Modules Implemented on RR-RB211, GE-LM2500 and GE-LM1600 Gas Turbines Employed in Natural Gas Compressor Stations

Kamal Botros, Research Fellow, NOVA Chemicals

2:30 - 2:45 pm (Foyer)

Refreshments

2:45 - 3:15 pm (Alberta)

11-IAGT-103: How We Assess the Efficiency of a Compression Station: A Statistical Method with Application to Staging Design and Selection for a Centrifugal Compressor

Dorin Scheianu, P.E., Ph.D.,
Wood Group Gas Turbines Services

3:15 - 3:45 pm (Alberta)

11-IAGT-104: NOx Emission Factors for Uncontrolled Gas Turbines in Natural Gas Pipeline Compressor Drive Service

Todd Parker, Reliability Engineer, Operations
Engineering - Pipeline and Compression,
Spectra Energy

3:45 - 4:15 pm (Alberta)

11-IAGT-105: Measuring Hydrocarbon Dewpoint, The Economic Impact

Jack Herring, Western Regional Manager,
Michell Instruments, Inc.

4:15 - 4:30 pm (Alberta)

Closing Remarks & Bursary Presentation

Jim McArthur, Vice President, Operations,
Innovative Steam Technologies; Chairman IAGT

5:30 - 6:30 pm (Alberta)

Reception & Poster Displays

Tuesday October 18

8:15 - 8:45 am (Foyer)

Registration & Breakfast

COGEN, GASIFICATION & POWER APPLICATIONS

Jim Noordermeer, Chair
Martin Perrin, Vice Chair

8:45 - 9:30 am (Alberta)

Keynote - Shale Gas

Doug Bloom, President,
Spectra Energy Transmission West

9:30 - 10:15 am (Alberta)

Training Session 4: Cogen, Combined Cycle

Jim Noordermeer, Principal Engineer,
Gryphon International Engineering Services Inc.

10:15 - 10:30 am (Foyer)

Refreshments

10:30 - 11:15 am (Alberta)

Training Session 5: Fuel Flexibility Effects on Gas Turbine Operation

Wajid Chishty, Research Officer,
National Research Council

11:15 - Noon (Alberta)

Training Session 6: Heat Recovery and Emission Applications

Christian Kaufmann, Sr. Development Engineer,
Innovative Steam Technologies

Noon - 1:00 pm
(New Brunswick)

**Luncheon
& Poster
Displays**

Sponsored by:



1:00 - 1:30 pm (Alberta)

11-IAGT-201: Design and Early Development of the SGT-300 Twin Shaft Gas Turbine

Brian Igoe, Product Manager SGT-300,
Siemens Industrial Turbomachinery Ltd

1:30 - 2:00 pm (Alberta)

11-IAGT-202: LM2500 Controls Upgrade

Les Esau, Vice President, Operations,
Tarco International Inc

2:00 - 2:15 pm (Foyer)

Refreshments & Posters

2:15 - 2:45 pm (Alberta)

11-IAGT-203: Rapid Cycling of OTSG Power Plants

Bik Lakhanpal, Senior Proposal Engineer,
Innovative Steam Technologies

2:45 - 3:15 pm (Alberta)

11-IAGT-204: Combined Cycle Opportunities for Small Gas Turbines

Michael Lucente, Senior Development Engineer,
Found Energy

3:15 - 3:45 pm (Alberta)

11-IAGT-205: SGT6-5000F for IGCC Application

Adam Foust, Siemens Energy, Inc.

3:45 - 4:00 pm (Alberta)

2009 Best Paper Award

Free Evening for Delegates

Wednesday October 19

8:00 - 9:00 am
(Foyer)

**Registration
& Breakfast**

Daily Sponsor:



Rolls-Royce

RELIABILITY AND APPLICATIONS IN THE OIL AND GAS INDUSTRY

Todd Parker, Chair
Paul Colwell, Vice Chair

9:00 - 9:45 am (Alberta)

Training Session 7: Introduction to Gas Turbine Systems from a Basic Control Systems Perspective

Brett Butler, Product Development Lead,
Tarco Automation Inc.

9:45 - 10:30 am (Alberta)

Training Session 8: Gas Turbine Repair Technology

Scott Hastie, P.Eng, Engineering Manager,
Liburdi Turbine Services

10:30 - 10:45 am (Foyer)

Refreshments and Posters

10:45 - 11:30 am (Alberta)

Training Session 9: Considerations for an Optimized Inlet Filter System

Jim Benson, Senior Product Engineer,
Camfil Farr Power System

11:30 am - 12:30 pm (New Brunswick)

Luncheon and Poster Displays

12:30 - 1:00 pm (Alberta)

11-IAGT-301: RB211-H63 and RFBB30 Advancements in Being Able to Meet Future Demand of Oil & Gas Requirements in Midstream Applications

Scott Tackett, Marketing, Oil & Gas, Rolls-Royce

1:00 - 1:30 pm (Alberta)

11-IAGT-302: Retrofitting Equipment and Interfacing Systems for Condition Based Maintenance

Jay West, Senior Engineer, Project Manager,
Liburdi Turbine Services Inc.

1:30 - 2:00 pm (Alberta)

11-IAGT-303: Availability and Reliability Improvements of a Family of Light Industrial Gas Turbines

Pontus Slottner, Service Engineering and R&D,
Siemens Industrial Turbomachinery

2:00 - 2:30 pm (Alberta)

11-IAGT-304: Operator Experience with Non-Gas Path PT Disc Corrosion as an Emergent Equipment Integrity Threat

Barry Ruggiero, Senior Engineer - Major Equipment,
TransCanada Corporation

2:30 - 2:45 pm (Foyer)

Refreshments

2:45 - 3:15 pm (Alberta)

11-IAGT-305: The New 37 MW Siemens SGT-750

Anders Hellberg, Product Manager SGT-750,
Siemens

3:15 - 3:45 pm (Alberta)

Presentation - Best Practices in the Operation and Maintenance of GE DLN Combustors

Mitch Cohen, Senior Systems Engineer,
Turbine Technology Services

3:45 - 4:00 pm (Alberta)

Closing Remarks