Sustainable Gas Systems
Track G- Session 1
Public Policies

Devinder Mahajan
Session Chair

Professor, Stony Brook University
Director, I-GIT/AERTC

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Organizing Committee

• Christopher A. Cavanagh, National Grid-USA and Liaison to the I-GIT Advisory Board
• Rick Zimmerman, New York Cow Power Coalition
• Kevin Neumaier, Sustainable Dairy Technologies
• David Miller, Sustainable Dairy Technologies
• Professor Devinder Mahajan, Institute of Gas Innovation and Technology (I-GIT) Stony Brook University
• Gregory Stevens, Sustainable Dairy Technologies
• Curt Andrews Gooch, Cornell University, PRO-DAIRY
Estimated Global Anthropogenic Methane Emissions (by Source)

- Oil and Natural Gas: 20%
- Enteric Fermentation: 29%
- Landfills: 11%
- Rice Cultivation: 10%
- Wastewater: 9%
- Biomass: 3%
- Manure Management: 4%
- Coal Mining: 6%
- Other Agriculture Sources: 7%
- Stationary and Mobile Sources: 1%

I-GIT Events

1. Anaerobic Digesters- Renewable Bio-Gas Symposium
   October 23, 2017
   National Grid Auditorium, Syracuse, NY
   Sponsors: AERTC/SyracuseCoE/National Grid

2. Institute of Gas Innovation and Technology (I-GIT)
   Ribbon Cutting Ceremony
   February 16, 2018
   SUNY Chancellor Kristina Johnson
   Robert Catell, AERTC Board Chairman
   Ken Daly, National Grid, President

3. Sustainable Gas Systems
   AEC2018, March 26-28, 2018
INSTITUTE OF GAS INNOVATION AND TECHNOLOGY
An Integrated Gas Energy Institute

A collaboration between Stony Brook University’s Advanced Energy Research and Technology Center (AERTC) and National Grid, I-GIT is a consortium composed of academic and industry leaders working together to find clean and affordable solutions to meet the nation’s growing energy demands and challenges.

I-GIT is administered within AERTC, where it is housed with offices and state-of-the-art laboratories. Its expert team of researchers, educators and investigators are working closely with the clean-tech community to bring together business and government leaders, policymakers and researchers in developing innovative programs to deploy advanced energy technologies.

THERE ARE FIVE PILLARS THAT DEFINE I-GIT:
1. A transition to low-carbon technologies
   I-GIT will focus on hybrid fuel technologies through the introduction of various renewable sources, such as gas, hydrogen, fuel cell, geothermal and thermal heat.

2. Gas technology gap analysis
   Preparing and maintaining a gap analysis will provide I-GIT opportunities to support environmental, societal and economic development goals.

3. Workforce training
   To meet future needs, I-GIT will use AERTC’s corporate training program and develop graduate certificate programs with member input.

4. Becoming an international consortium
   I-GIT will build upon AERTC’s existing relationships with other countries, including China, Japan, Korea and the United Kingdom, to increase membership and establish a global advanced technologies exchange mechanism.

5. Leveraging industry funding
   To help expand its funding base, I-GIT will work with state and federal agencies.

For more information about I-GIT, visit
storybrook.edu/gas-innovation
Session Panelists

Johannes D. Escudero, CEO & Executive Director
Coalition for Renewable Natural Gas

Donald Chahbazpour
Director of Climate Change Compliance
National Grid

Dr. Ilissa Ocko, Climate Scientist
Environmental Defense Fund

Chris Voell, Lead, Agricultural & Household Biogas
Co-Chair, GMI Biogas Subcommittee/
EPA- Global Methane Initiative

Kevin Neumaier
Sustainable Dairy Technologies, LLC

Dan Dessanti, Director, Operations Services
Northeast Gas Association