



# eBULLETIN

Number 7 - 9 July 2004



ANAEROBIC DIGESTION 2004 CONFERENCE & EXHIBITION 29 AUGUST - 2 SEPTEMBRE 2004 MONTREAL

## Anaerobic Bioconversion for Sustainability

### Topics of Keynotes invited at AD10, 2004

#### Fundamentals

Metabolic interactions in anaerobic bioreactors  
(**Alfons Stams**, Netherlands: Aug. 31)  
Microbial community structure of anaerobic granules  
(**Hideki Harada**, Japan: Sept. 1)

#### Recalcitrants

Anaerobic treatment of pharmaceuticals, hormones and cosmetics in sewage treatment sludge  
(**Juan Lema**, Spain: Sept. 2)

#### Bio-energy

Fermentative production of hydrogen  
(**Patrick Hallenbeck**, Canada, Aug. 31)  
Biological electricity generation  
(**Bruce Logan**, USA: Aug. 31)  
Integrated energy production and environmental impact reduction at alcohol distillery plants  
(**Adrianus Van Haandel**, Brazil: Sept. 2)

#### Sustainability

Impact of future GHG mitigation policies on methane generation and usage  
(**Paul Greenfield**, Australia: Sept. 1)  
Life cycle analysis of anaerobic OMSW management  
(**Réjean Samson**, Canada: Sept. 1)  
Anaerobic digestion in the industrial and agricultural sectors in China  
(**Kaijun Wang**, China: Sept. 2)

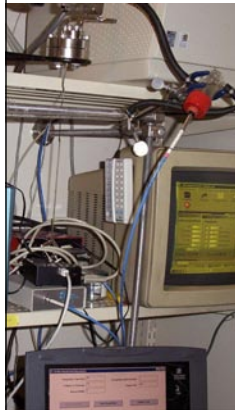
### CONFERENCE REGISTRATION FEES

BEFORE July 12, 2004: Cdn\$850.  
Students: Cdn\$500.  
AFTER July 12, 2004: Cdn\$950.  
Students: Cdn\$575.

### ROUND TABLE DISCUSSION ON INSTRUMENTATION, CONTROL AND AUTOMATION IN ANAEROBIC DIGESTION

— Tuesday 31 August 2004, 16:00 - 18:20

Panel: **J. Liu** (Chair, Sweden) — **O. Bernard** (Committee, France)  
**H. Spanjers** (Committee, Netherlands) — **J. Young** (Committee, USA)  
**D. Batstone** (Denmark) — **J.P. Steyer** (France)  
**B. Tartakovsky** (Canada)



The application of Instrumentation, Control and Automation (ICA) in Anaerobic Digestion (AD) is receiving more and more interest: lately several research projects have been initiated that focus on this theme and an increasing number of ICA-related papers are being presented



at conferences, including AD10. The purpose of this RT at AD10 is to discuss recent developments in the application of ICA in anaerobic treatment processes and to identify potential future initiatives. The discussion will be facilitated by a number of short presentations of challenging topics and current works, such as: Sensor robustness vs. information content - Management of uncertainty for model-based control - Integrated advanced systems for AD management - Benchmarking control strategies for AD - TELEMATAC ....

Details at: [http://www.ad2004montreal.org/13-Workshops\\_e.html](http://www.ad2004montreal.org/13-Workshops_e.html)



Visit [www.ad2004montreal.org](http://www.ad2004montreal.org)