

**OREG 2008 Spring Symposium**  
**Canada's Ocean Energy Future: New Partnerships and Wider Opportunities**

**April 21st and 22nd**  
**Palace Royal Hotel**  
**Quebec City, Quebec**

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## Monday, April 21, 2008

Welcome Remarks and Day 1 Chair: Marcel Boridy, Vice Chair OREG and Directeur General Service d'actions entrepreneuriales Manicouagan

### Conference Opening

8:45 – 9:00            **Deputy Minister Daniel Bienvenue, Ministry of Natural Resources and Wildlife**

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### The "French Connection"

9:00 – 9:20            **Cyrille Abonnel**, Electricité de France, Centre de recherche: EDF's vision for the ocean energy opportunity

9:20 – 9:40            **Thierry Maitre**, Institut National Polytechnique Grenoble: Numerical modeling of sub-cavitation and cavitation flow in the tidal power machines with vertical axis of rotation

9:40 – 10:00          **Didier Imbeault**, Institut National Polytechnique Grenoble: Design and structural analysis of the tidal power machines with vertical axis of rotation – Numerical and experimental study of fluid-structure interactions

10:00 – 10:20        **Pierre Rousseau**, président du conseil d'administration du SAEM: CITECH: A technical innovation center for ocean energy - a Manicouagan initiative

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**10:20 – 10:50        Break**

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### The "French Connection" Continued

10:50 – 11:10        **Yves Richer**, Président-directeur général SPG Hydro: The Quebec industrial initiative

11:10 – 11:30        **Thierry Faure**, CHC Ottawa: Inventory of in-stream kinetic energy in Canadian rivers and the Bay of Fundy

11:30 – 11:50        **Dr. Alain Clement**, L'École Centrale de Nantes: Wave energy: project updates, from the research center and lake test center in the Nantaise region

11:50 – 12:10        **Michel Paillard**, Coordinateur "énergies renouvelables marines" à l'Ifremer: Ifremer and renewable marine energy

12:10 – 12:30        Discussion

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**12:30 – 14:00        Lunch**

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### Expanding the Canadian Opportunity

- 14:00 – 14:20      **Philip Raphals**, Directeur Général Centre Helios: River-based in-stream energy: a first look at unit costs
- 14:40 – 15:00      **Clayton Bear**, New Energy: The Manitoba Hydro and University of Manitoba in-stream project

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**15:00 – 15:30      Break**

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### Expanding the International Connection

- 15:30 – 15:50      **Domenico P. Coiro**, Dept. of Aerospace Engineering in cooperation with FRI-EL SEA POWER S.p.A. (Italy): Numerical and experimental investigation on novel systems for harvesting tidal current energy
- 15:50 - 16:00      **Cyrille Abonnel**, Electricité de France, Centre de recherche: Continuity in international cooperation and the International Ocean Energy Conference October 2008 in Brest

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**17:30 – 20:00      Reception – Lobby adjacent to meeting room  
Plentiful food, great networking**

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### Tuesday April 22, 2008

Welcome and Chair Day 2 – Chris Campbell, Executive Director, OREG

### Expanding the Canadian Opportunity Continued

- 9:00 – 9:20      **Scott Travers**, Minas Basin Pulp & Power: Development of the Fundy Tidal Demonstrator
- 9:20 – 9:40      **Nancy Rondeaux**, Nova Scotia Department of Energy: Update on progress of the Fundy tidal resource common demonstration facility
- 9:40 – 10:00      **Andrew Cornett**, NRC Canadian Hydraulics Centre: New work on tidal current resources in the Bay of Fundy and nearshore wave resources near Tofino and Ucluelet

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**10:00 – 10:30      Break**

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### Technology Developments and Opportunities

- 10:30 – 10:50      **Mark Tinkler**, Verdant Power Canada: A two phased development of the St Lawrence River

- 10:50 – 11:10 **Ernest Hauser**, Ocean Renewable Power Corp.: Progress in tidal and river energy
- 11:10 – 11:30 **Clayton Bear**, New Energy: Progress and plans for the EnCurrent direct hydropower generator
- 11:30 – 11:50 **Jan Erik Hanssen**, Tidal Sails: An alternative to turbines for harvest of current energy
- 11:50 – 12:00 Discussion
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**12:00 – 13:30 Lunch**

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**Meeting the Project Development Challenges**

- 13:30 – 13:50 **Tony Daye**, Jacques Whitford: Lessons from the Fundy Tidal Energy Strategic Environmental Assessment
- 13:50 – 14:10 **Graham Daborn**, Acadia University: Environmental Implications of TISEC in the Bay of Fundy
- 14:10 – 14:30 **Mike Murphy**, Devine Tarbell & Associates: Lessons from working with pioneer ocean energy proponents
- 14:30 – 14:50 **Mat Thomson**, Garrad Hassan: Characterising the environment at a tidal stream site: Requirements for a design basis and a long term energy resource assessment
- 14:50 – 15:00 Discussion
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**15:00 – 15:30 Break**

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**Progressing into the Future**

- 15:30 – 15:50 **Melanie Nadeau**, NRCan: Canada's engagement in the international development effort
- 15:50 – 16:05 **Andrew Henry**, Dalhousie University: Canadian Marine Energy Research Network

**16:05 – 17:30 Closing Remarks and Discussion**

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