

NSERC Networking PHEV Strategic Workshop

Welcome to the NSERC PHEV workshop. This workshop is funded by NSERC: Strategic Workshops Program (SWP). This program is intended to fund workshops for building new collaborations between Canadian academic researchers and the industry and government receptor community. The program is primarily intended to seed new collaborations in the areas of research targeted by the Strategic Project Grants (SPG) and the Strategic Network Grants (SNG) programs. Participants are invited to closed-sessions to develop cross-cutting collaborations in key PHEV targeted research areas.

Session A: Engagements and Goals (Nov 1, Ballroom A: 1:30 to 2:45)

Session Moderators: Eric Bibeau, University of Manitoba
Arne Elias, Executive Director Centre for Sustainable Transportation
Recording Secretary: Vivian Mumba

1:30 Introduction (Eric Bibeau)

- Agenda for Workshop
- Goal of workshop
 - Assemble academic PHEV researchers in Canada
 - Help establish research and development needs for PHEV development in Canada
 - Bringing together established organizations
 - Promote the interaction between academics and utilities
 - Develop partnerships with government laboratories in support of PHEV research
 - Establish partnerships with organization
- How to maximize value from workshop
 - Networking ideas
 - Research collaborations
 - PHEV Stakeholders
- Workshop expected outcomes
 - Understanding the knowledge resource of academic researchers working in PHEV
 - A list of research subjects and area needs
 - Strategies to attract chemist, economists and mathematicians to the PHEV network
 - Getting to know the potential range of PHEV stakeholders in Canada
 - A list of potential partners for future R&D projects
 - Establishing working partnerships
 - Understanding better the role of various PHEV stakeholders
 - Developing possible funding proposals for PHEV
 - Establishment a Canada-wide core group that can emerge as a well organized research network
 - A report detailing the various consensuses, actions and achievements

1:40 PHEV (Arne Elias)

- Role of PHEV Networking: Engagement of research community
 - Raising awareness, within governments of all levels, academics and industry,
 - Assembling technological and policy relevant information for PHEV research and development in Canada
 - Coordinating policy, technical and public engagement constituents to assist in funding PHEV research and development towards the commercialization of PHEVs
 - Promoting cross-linkages
 - Mediate and link between OEMs and Industry, and academic and engineering organizations
- Centre for Sustainable Transportation background

1:50 NSERC Workshop (Guy Levesque)

- Purpose of NSERC workshop program

1:55 Workshop Participants (Round Table)

- Name, affiliation
- PHEV research
- Research plans and interests
- Established partnerships

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2:15 PHEV Invited Stakeholder Introductions

- Karim Zaghbi/ François Allaire, IREQ
- Ian McIntyre, NRCan
- Alec Tsang, BC hydro
- Paul Zanetel, New Flyer
- Nigel Fitzpatrick, Azure Dynamics

2:30 PHEV Research Capacity Interactive Session (Round Table)

- Establish Canadian research priorities and needs for PHEV
- Make an inventory of the current research capacity in this area
- Discuss R&D needs with PHEV stakeholders
- An overall vision and strategic plan for future needs as this area develops
- Plan how we can build research capacity and how networking will help
- Establish the main research axis for various vehicle class

Session B: Collaborations and PHEV Stakeholders (Nov 2, Ballroom A: 9:15 to 10:30)

Session Moderators: Isobel Davidson, NRC
David Lowther, McGill

Recording Secretary: Vivian Mumba

9:15 AUTO21 (Peter Frise)

- Potential for OEM's collaboration

9:25 CEATI (Tom Molinski)

- Utility perspective
- CEATI PHEV project

9:35 Electric Mobility (Al Cormier)

- Background
- EMC activities

9:45 NRC (Isobel Davidson)

- PHEV PERD program

9:55 CEVEQ (Sylvain Castonguay)

- Background of CEVEQ
- PHEV activities

10:00 PHEV Stakeholders Introductions

- Mark I. Shoesmith, E-One Moli
- Robert Brandon, NRCan
- Tony Markel, NREL
- Charles Thibodeau, Science and Technology Advisor, Natural Resources Canada
- Alistair I. Miller, AECL

10:15 PHEV technology road mapping (Round table)

- Discuss key technology/developments that need to occur

Session C: Funding of PHEV (Nov 2, Ballroom A: 10:45 to 12:00)

Session Moderators: Peter Frise, AUTO21
Peter Radziszewski, McGill

Recording Secretary: Vivian Mumba

10:45 AUTO21 (Peter Frise)

- Background of AUTO21
- Target research areas

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- PHEV in AUTO21
 - Funding opportunities
- 11:00 AVPRNet** (Peter Radziszewski)
- Background of AVPRNet
 - Target research areas
 - PHEV in AVPRNet
 - Funding opportunities
 - Questionnaire
- 11:10 Plug-in Highway Network** (Arne Elias)
- Background of Plug-in Highway network
 - Target research areas
 - Canadian PHEV conference series: PHEV2008/PHEV2009 and beyond
 - Utility perspectives and demonstrations
 - Information link
 - Long term vision
 - Mechanism for promoting PHEV and renewables
- 11.15 NSERC Strategic** (Guy Levesque)
- NSERC Strategic areas
 - Calls for Network proposal update in next few years
- 11:20 MITACS** (Deanna Lanoway)
- MITACS and funding opportunities for PHEV
- 11:25 PHEV Invited Stakeholder Introductions**
- Gitanjali DasGupta, Electrovaya
 - Ricardo Bazzarella, Hymotion
 - Andy Chu, A123Systems
 - Claude Guérette, Transport Canada
- 11:40 Funding and collaborations** (Round Table)
- Question: any other funding sources? (e.g.: ecoENERGY for Personal Vehicles, Google.org)
 - NSERC Strategic: Why PHEV not explicitly a strategic target
 - Inputs of PHEV stakeholders
 - List of possible projects
 - Discuss the new dimension of utility and OEM relationships
- 11:55 Questionnaire**
- Workshop Questionnaire

Session D: PHEV Action Plan (Nov 2, Ballroom A: 3:00 to 3:30)

Session Moderator: Curran Crawford, Mechanical Engineering, University of Victoria
 Recording Secretary: Vivian Mumba

- 3:00 Action Plan** (Round Table)
- Gather actions to be undertaken based on workshop and technical conference to establish a PHEV research plan and strategy
- 3:25 Wrap up** (Eric Bibeau)
- Next steps
 - Travel refund procedure for academics funded by NSERC Strategic Workshops Program

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