

Tentative Draft AMT ExCo Agenda
IEA Implementing Agreement on Advanced Materials for Transportation
November, 29, Henara Costa (FURG), Roberto de Souza Martins (Poli-USP)
Escola Politécnica da USP, Departamento de Engenharia Mecânica, Rua Prof. Mello Moraes 2231
Day 01, 30/11, TECHNICAL SYMPOSIUM

Chair: Stephen Hsu, Vice Chair, AMT

- 9:00-9:30 Welcome to Brazil, Director of the Polytechnique School of the University of São Paulo; Prof. Danilo Giroldo (Rector FURG),
- 9:30-10:00 Title to be determined...Prof. Nigro – Poli-
- 10:00-10:30 US Transportation program update, Jerry Gibbs, US DOE Washington DC
- 10:30-11:00 Coffee/Tea break**
- 11:00-11:30 Tribological Challenges in Flex-Fuel Engines: status and problem definition, Prof. Roberto Martins - Triboflex:
- 11:30-12:00 Fuel economy technologies, Prof. Dr. Stephen Hsu, George Washington University USA
- 12:00-1:00 Lunch and group pictures
- 1:00-1:30 Thermoelectric materials testing, Dr. Hsin Wang, ORNL
- 1:30-2:00 Multimaterials joining technology, Dr. David Warren, ORNL/Mark Kozdras, CANMET
- 2:00-2:30 Development of self-lubricating materials for piston-ring systems, Prof. José Daniel Biasoli de Mello, UFU/UFSC
- 2:30-3:00 Coffee break**
- 3:00-3:30 Press hardening for heavy-duty vehicles: Development of new light-weight materials Dr. João Henrique Correa de Souza, BruningTecnometal,
- 3:30-4:00 Effects of ethanol on the lubrication of flex-fuel engines, Prof. Tiago Cousseau, UTFPR
- 4:00-4:30 an overview of the Brazilian Tribology Society, Prof. Jose Daniel: TriboBr
- 4:30-5:00 New modeling tools for textured surfaces, Dr. Francisco Profito, USP
- 7:00 AMT Dinner– TBD

IEA AMT EXECUTIVE COMMITTEE MEETING

Day 02, 01/Dce, ExCo Meeting

- 9:00 Welcome and meeting agenda, Jerry Gibbs
- 9:10 Prof. Roberto Martins de Souza, welcome
Overview of Brazilian Research and Funding Opportunities
- 9:30 Membership status, Stephen Hsu
- 9:45 Review of current Annexes
Annex IV Friction reduction surface technology- Stephen Hsu
Annex VIII Thermoelectric materials report- Hsin Wang
Annex IX Model-based coating report- Timo Hakala, VTT
Annex X multimaterials joining report- Dave Warren/Mark Kozdras
- 12.30 ExCo picture, lunch
- 1:30 pm AMT extension report- ExCo, Jerry Gibbs
- 1:45pm New Business
- 2:00pm Next ExCo meeting and dates
- 2:30 coffee break and lab visit
- 4:00 Adjourn and Bus back to Hotel or directly to Airport