

# IEEE International Future Energy Challenge 2011 Workshop

Prof. João Onofre Pereira Pinto  
Federal University of Mato Grosso do Sul

March 6, 2011



# Agenda

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- Planning and Steering Committee
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# IEEE – IFEC 2011

## International Future Energy Challenge 2011

IEEE Sponsor for IFEC  
Challenge:



40K 2010 and 40K 2011

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### Supporters:



20K 2011



10K 2010



10K 2010



5K Special Award



## IFEC 2011 Planning and Steering Committee

- Jason Lai
- Marcelo Godoy Simões
- Abdellatif Miraoui
- Helen Li
- Dushan Boroyevich
- Donna Florek
- Dong Tan
- Joao Pinto
- Jin Wang
- Luiz Henrique Barreto
- Chris Mi
- Maurício Beltrão
- Faete Jacques Filho

## Topic A General Information

- Topic A Subject:

Low Cost Lithium-Ion Battery Charger for Automotive  
and Renewable Energy Applications

- Topic A Coordinator :

- Prof. Chunting (Chris) Mi
- University of Michigan-Dearborn – USA

- Final Competition Event (To be confirmed):

- Date: July 20-22, 2011
- City: Chicago, USA

## Topic B General Information

- Topic B Subject:

Low Power Induction Motor Drive System Supplied  
From a Single Photovoltaic Panel For an Emergency  
Water Treatment Device Topic A Coordinator :

- Topic B Coordinator :

- Prof. Maurício Beltrão de Rossiter Corrêa
- Federal University of Campina Grande – Brazil

- Final Competition Event (To be confirmed):

- Date: July 20-22, 2011
- City: Rio de Janeiro, Brazil

## Proposal Submission Statistics

- Total Proposal Submissions: 30 proposals
- Topic A Submissions: 12 proposals
- Topic B Submissions: 18 proposals
- Total Number of Countries: 20
- Total Number of Students:  $246 = 70 \text{ (Topic A)} + 176 \text{ (Topic B)}$
- Total number of Faculties:  $27 = 12 \text{ (Topic A)} + 25 \text{ (Topic B)}$
- Proposal with largest team: 24 students (Bangladesh)
- Proposal with smallest team: 3 students (Brazil and Serbia)

## List of Schools Accepted for Topic A

- Huazhong University of Science & Technology - China
- Indian Institute of Technology - India
- National Taiwan Univ. of Science and Technology - Taiwan
- Seoul Tech - South Korea
- University of Connecticut - USA
- University of Kassel - Germany
- University of Peradeniya - Sri Lanka
- Virginia Tech - USA

## List of Schools Accepted for Topic B

- Bangladesh Univ. of Eng. and Technology - Bangladesh
- Cologne University of Applied Sciences - Germany
- Delhi Technological University - India
- Federal University of Ceará - Brazil
- Federal University of Maranhão - Brazil
- Federal University of Mato Grosso do Sul - Brazil
- Los Andes University - Colombia
- Northern Caribbean University - Jamaica

## List of Schools Accepted for Topic B

- University of Idaho - USA
- University of Illinois at Urbana-Champaign - USA
- University of Puerto Rico-Mayaguez - Puerto Rico
- Consortia of UT-Dallas and Texas Christian University - USA
- Yangzhou University - China

## IFEC 2011 Timeline / Deadlines

Date	Action
March 6, 2011	Workshop at APEC 2011
April 18, 2011	Qualification Reports Due
May 02, 2011	Finalists Notified
July 20, 2011	Final reports and working units due
July 20-22, 2011	Final competition : Chicago, USA & Rio de Janeiro, Brazil
Sept 22, 2011	Award Ceremony at ECCE

## IFEC 2011 Contacts

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