



www.cnrs.fr

GdRI organization



NANYANG
TECHNOLOGICAL
UNIVERSITY

Network co-directors

Alain Dollet (Director of PROMES-CNRS laboratory, CNRS) for France
*Subodh Mhaisalkar** (Executive Director of ERI@N) for Singapore - NTU
** with support of Claude Guet*

Topic 1. Smart Grids and Power systems

*Coordinators: Nouredine HadjSaid (G2Elab, Grenoble INP)
Prof. Choo Fook Hoong (ERI@N/NTU)*

Topic 2. Energy storage

*Coordinators: Madhavi Srinivasan (ERI@N/NTU)
Mathieu Morcrette (LRCS/CNRS)*

Topic 3. Wind and Marine Energies

*Coordinators: Pierre Ferrant (LHEEA, Ecole Centrale Nantes)
Narasimalu Srikanth (ERI@N/NTU)*

Topic 4: Photovoltaics

*Coordinators: Péré Roca i Cabarrocas (LPICM/CNRS)
Nripan Mathews (ERI@N/NTU)*

Topic 5: Green/Smart Buildings

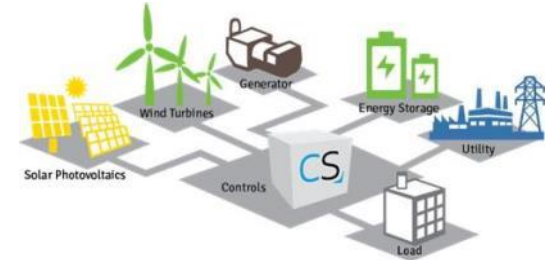
*Coordinators: Christophe Ménézo (LOCIE/Université Savoie-MB)
Yann Grynberg (ERI@N/NTU)*

GdRI organization

Topic 1. Smart Grids and Power systems

Coordinators: *Nouredine HadjSaid (G2Elab, Grenoble INP)*

Choo Fook Hoong (ERI@N/NTU)



Subtopic 1: Microgrids and Renewable Energies integration

Main contacts : *Philippe POGGI (SPE/Univ. Corte)*

Choo Fook HOONG (ERI@N/NTU)

Subtopic 2: Electromobility and challenges for the power systems

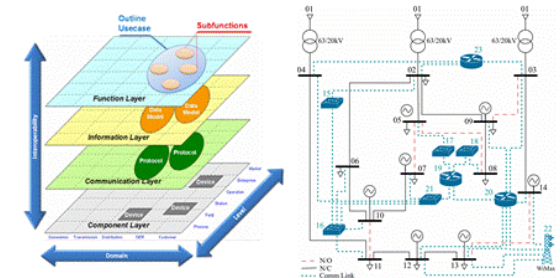
Main contacts : *Marc Petit (GEEPS, CentraleSupélec),*

Anshuman Tripathi (ERI@N/NTU)

Subtopic 3: Peer to peer Energy and Cyber-physical modelling

Main contacts : *Antonio Loria (L2S/CNRS)*

Arvin Eswaran (ERI@N/NTU)



GdRI organization

Topic 2. Energy storage

Coordinators: Madhavi Srinivasan (ERI@N/NTU)

Mathieu Morcrette (LRCS/CNRS)

Subtopic 1: Electrochemical Energy storage

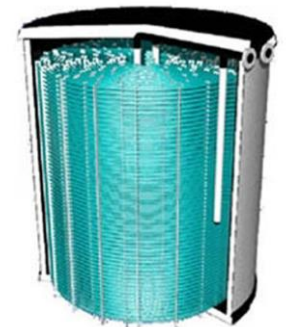
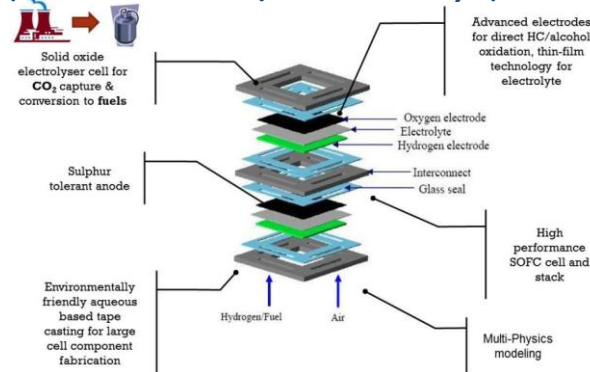
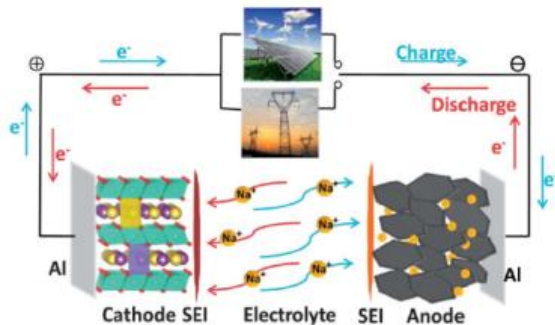
Main contacts : Alex Yan Qingyu (ERI@N/NTU), Mathieu Morcrette (LRCS/CNRS)

Subtopic 2: Solid Oxide Fuel Cells and Solid Oxide Electrolyzer Cells (SOFC/SOEC) and Polymer Electrolyte Membranes Fuel Cells (PEMFC)

Main contacts : Siew Haw Chan (ERI@N/NTU), Olivier Joubert (IMN/CNRS)

Subtopic 3: Thermal Energy Storage

Main contacts : Alessandro Romagnoli (ERI@N/NTU), Xavier Py (PROMES/UPVD)



GdRI organization

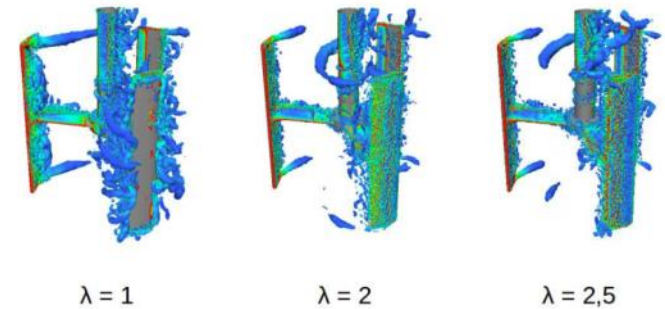
Topic 3. Wind and Marine Energies

Coordinators: Pierre Ferrant (LHEEA, Ecole Centrale Nantes)

Narasimalu Srikanth (ERI@N/NTU)

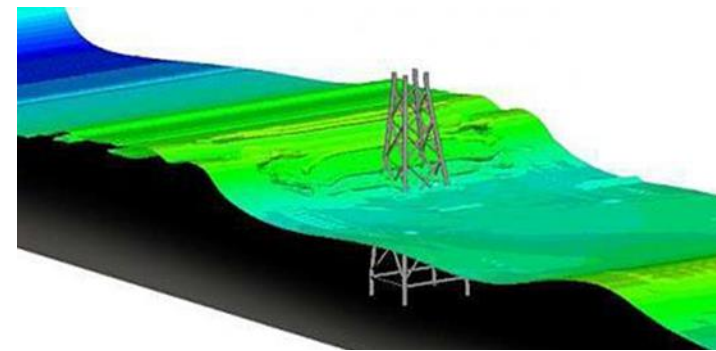
Subtopic 1: Tidal Energy

Main contacts : David Le Touzé (LHEEA/ECN)
Narasimalu Srikanth (ERI@N/NTU)



Subtopic 2: Wind Energy

Main contacts : Isabelle Calmet (LHEEA/ECN)
Narasimalu Srikanth (ERI@N/NTU)



GdRI organization

Topic 4: Photovoltaics

Coordinators: *Péré Roca i Cabarrocas (LPICM/CNRS)*

Nripan Mathews (ERI@N/NTU)

Subtopic 1: Tandem solar cells

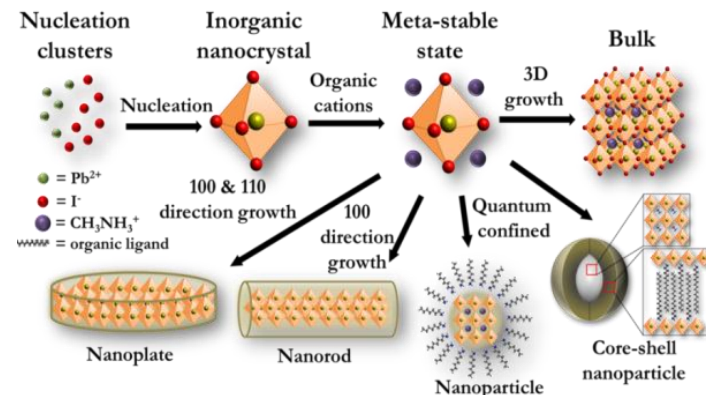
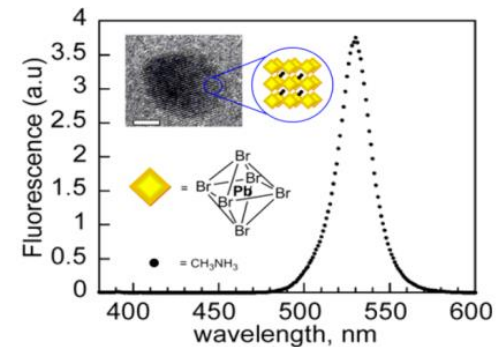
Main contacts: *Erik V. Johnson (LPICM/CNRS)*
Lydia Helena Wong (ERI@N/NTU)

Subtopic 2: Fundamental recombination at bulk and interfaces

Main contacts: *Laurent Lombez (IRDEP/CNRS)*
T.C. Sum (ERI@N/NTU)

Subtopic 3: Perovskite quantum dots: New synthesis and theoretical approaches

Main contacts: *Gaël Zucchi (LPICM/CNRS)*
Subodh Mhaisalkar (ERI@N/NTU)



GdRI organization

Topic 5: Green/Smart Buildings

Coordinators: *Christophe Ménézo (LOCIE/Université Savoie-MB)*

Yann Grynberg (ERI@N/NTU)

Subtopic 1: Building Integrated Energy systems

Main contacts: *Christophe Ménézo (LOCIE/Univ. Savoie-MB)*
En Hua YANG (ERI@N/NTU)

Subtopic 2: Indoor Air Quality and Comfort

Main contacts: *Patrice Blondeau (LaSIE/Univ. La Rochelle)*
WAN Man Pun (ERI@N/NTU)

Subtopic 3: Building Management System and Energy performance Evaluation

Main contacts: *William Pasillas-Lepine (L2S/CNRS)*
WANG Peng (ERI@N/NTU)

