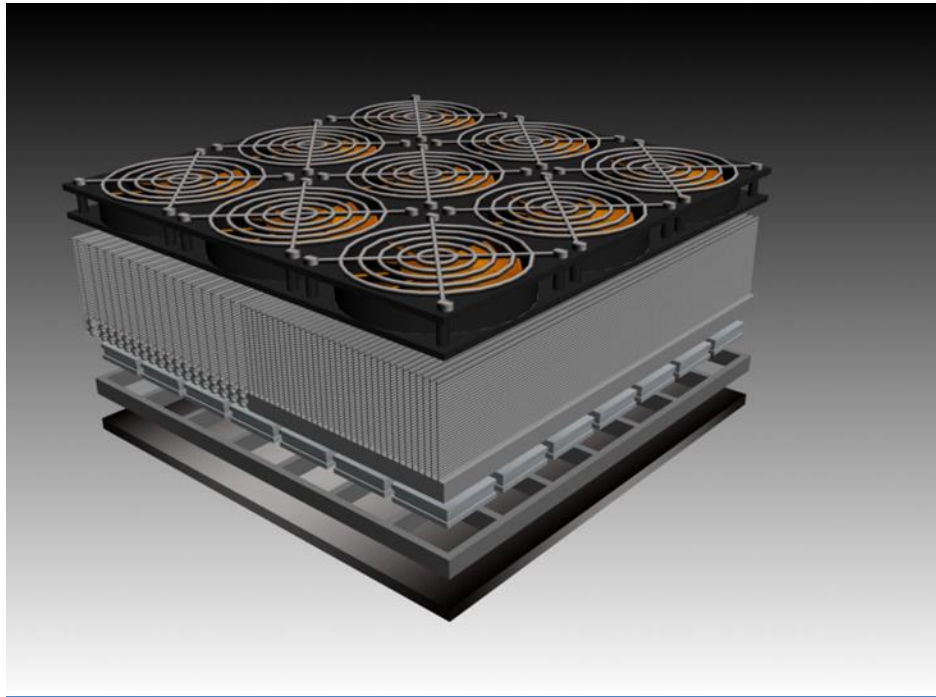


Progress in thermoelectric materials and systems & HITTEG workshop



22nd November

Venue: Sala d'actes IREC: Jardins de les Dones de Negre 1, 2^a pl. 08930 Sant Adrià de Besòs.
Espanya

Organized by IREC and Xarmae

More information available at: <http://www.xarmae.org/index.php/ca/actualitat/53-xarmae-participara-en-el-qprogress-in-thermoelectric-materials-and-systems-a-hitteg-workshop>

Inscription form: <https://adobeformscentral.com/?f=RJ-P2iu8tZQUW8gCXF0ISA>

PROVISIONAL PROGRAM

8:50-9:10

Registration

9:10-9:30

Welcome

Rafael Marín. Marketing & Communication department.
KIC InnoEnergy Iberia S.L. Barcelona.

9:30-10:00

Nanostructuration effects on thermoelectrics

Marisol Martín-González. Functional Nanoscale Devices for Energy Recovery Group.
Instituto de Microelectrónica de Madrid (Centro Nacional de Microelectrónica), UAM-CSIC, Madrid.

10:00-10:30

Fabrication and characterization of high performance half-heusler, skutterudite and silicide thermoelectric modules

Markus Winkler. Energy Systems (ES).
Fraunhofer Institute for Physical Measurement Techniques IPM, Freiburg.

10:30-10:50

Material's selection for thermoelectricity

Merce Segarra. DIOPMA, Departament de Ciència de Materials i Enginyeria Metal·lúrgica.
Universitat de Barcelona (UB), Barcelona.

10:50-11:20

Coffee break

11:20-11:40

Microstructure Design of thermoelectric materials

Stéphane Gorsse. ICMCB-CNRS.
Université de Bordeaux, Bordeaux.

11:40-12:00

Complex topological and multifractal advances in thermoelectric high figure of merit materials: anisotropy and self-similar fractal structure in the thermoelectric crystals

Jose Manuel Redondo. Dpt. Física aplicada.
Universitat Politècnica de Catalunya (UPC), Barcelona.

12:00-12:20

Bottom-up processing of thermoelectric materials

Andreu Cabot, Doris Cadavid, Maria Ibañez. Nanomaterials Funcionals.
Institut de Recerca en Energia de Catalunya (IREC), Sant Adrià de Besòs, Barcelona.

12:20-12:40

Waste heat with skutterudites materials & novel concepts

Germán Noriega, Cidete, Vilanova i la Geltrú, Barcelona.

12:40-13:00

Waste heat recovery and heat to power on industrial sites

Andrés Galnares. GDF Suez S.A., Barcelona.

13:00-13:20

Mechanical and thermal properties of PbTe processed by high-pressure torsion

Jon Ander Santamaría, Jon Alkorta y Javier Gil Sevillano. Departamento de Materiales.
CEIT, Guipúzcoa.

13:20-13:40

Planar thermoelectric microgenerator based on thin Si membranes

Javier Rodriguez. Nanomateriales y Microsistemas.
Universitat Autònoma de Barcelona (UAB), Bellaterra, Barcelona.

13:40-15:00

Lunch

15:00-15:20

Influence of low dimensionality in the thermal and vibrational properties of free standing Si nano-membranes

Sebastian Reparaz. ICN2 - Institut Catala de Nanociencia i Nanotecnologia.
Campus UAB, Bellaterra, Barcelona.

15:20-15:40

Improvements on Co-O based thermoelectric ceramics

J.C. Diez, M.A. Madre, A. Sotelo. ICMA.
Universidad de Zaragoza-CSIC. Zaragoza.

15:40-16:00

Semiconducting polymer: carbon nanotubes composites for large power factor thermoelectrics

Mariano Campoy. Nanostructured optoelectronic materials.
ICMAB, Bellaterra, Barcelona.

16:00-16:50

Progress on PEDOT as thermoelectric material

Clara M. Gómez. Departament de Química Física.
Instituto de Ciencia de Materiales, Universitat de Valencia, Valencia.

16:20-16:40

HITTEG: high temperature thermoelectricity generators

Pascal Revirand. CEA tech, Grenoble.

16:40-17:00

Closing remarks & round table discussion