

AGENDA

6º CDTI-NEDO Joint Workshop on “The Effective Use of Thermal Energy in Industry”

23rd of June 2016

Biscay Technology Park, Building nº 809, Zamudio, Spain

10:00 - 10:20 Opening of the event

Mr. Aitor Oregi, Energy, Mines and Industrial Administration Director, Basque Government
Mr. Nabil Khayat, Head of the Promotion and Cooperation Division, CDTI
Mr. Masaaki Yamamoto, General Director, International Affairs Department, NEDO

10:20 - 10:30 Overview of the Bilateral Program “Japan (NEDO) - Spain (CDTI) Innovation Program”, JSIP

Ms. Angeles Valbuena, National Manager of JSIP, CDTI
Ms. Setsuko Wakabayashi, National Manager of JSIP, NEDO

Background and the need for R&D, a commonality and specificity between Spain and Japan

10:30 - 10:50 Energy consumption and the situation of waste heat in Spanish industry

Ms. Rocío Fernandez Artime, President of the Spanish Technological Platform in Energy Efficiency

10:50 - 11:10 Energy consumption and the situation of waste heat in Japanese industry

Dr. Satoshi Hirano, Associate Manager, Planning Headquarters, AIST

11:10 - 11:30 Overview of Spanish current activities in Thermal Energy Management R&D “CALOR Project”

Mr. Jose Ignacio Hormaeche, General Director, Basque Energy Cluster

11:30 - 11:50 Overview of Japanese current activities in Thermal Energy Management R&D “TherMAT”

Dr. Haruhiko Obara, General Director, Department of Energy and Environment, AIST

11:50 - 12:05 Q&A

Theme 1: Industrial furnaces

12:05 - 12:25 Efficient furnaces

Mr. Jose Berasategui, General Director, GHI Industrial Furnaces
Ms. Elena Calvo Gallardo, Internationalization and Promotion Unit Director, CIRCE

12:25 - 12:45 Next generation type of Industrial Furnace R&D in TherMAT project

Mr. Yasutaka Yoshimi, Manager, Mino Ceramic Co., Ltd.

12:45 - 12:55 Q&A

12:55- 13:45 Break time – Lunch

Theme 2: Thermal energy storage

- 13:45 - 14:00 **Need and future prospect of thermal energy storage for Industrial process**
Dr. Ana Lázaro, Coordinator of Thermal Energy Storage Group, Cross-platform Storage Workgroup (GIA) in Futured, University of Zaragoza
- 14:00 - 14:15 **Overview of NEDO's R&D activities for thermal energy storage**
Mr. Nobuhiko Kusunose, Director, Energy conservation technology Dep., NEDO
- 14:15 – 14:35 **Thermal Energy Storage in industrial processes**
Dr. Bruno D'Aguanno, Scientific Director, Thermal Energy Storage, CIC EnergiGUNE
- 14:35 - 14:55 **NINJA LIQUID – Heat is suddenly appeared -**
Dr. Motohiro Suzuki, Chief Engineer, Appliance Company, Panasonic Co., Ltd.
- 14:55 - 15:05 Q&A
- 15:05 - 15:30 Coffee Break

Theme 3: Waste Heat Harvesting & Valorization

- 15:30 - 15:50 **Energy harvesting with thermoelectric materials, Spain and Basque Country**
Dr. Raúl Aragonés, Chief Executive Officer, AEInnova
Dr. Jon Alkorta, Researcher in thermoelectric materials, IK4-CEIT, and collaborator in ACTIMAT: new strategic materials
- 15:50 - 16:20 **Energy harvesting with thermoelectric materials, Japan**
Dr. Junqing Guo, Chief Researcher, Tsukuba Development Center, Furukawa Co., Ltd.
Dr. Jun Hayakawa, Senior Researcher, Center for Exploratory Research, Hitachi Ltd.
- 16:20 - 16:40 **Organic Rankine Cycle (ORC)**
Mr. Santiago Lavandera, R&D Director, IDESA
- 16:40 - 16:55 **Absorption chillers for effective use of low temperature waste heat**
Dr. Tatsuo Fujii, Senior Researcher, Research and Development Group, Hitachi Ltd.
- 16:55 - 17:10 Q&A
- 17:10 - 17:20 **Closing of the event**
Alberto Garcia Erauzkin, President, Innobasque