

COFRET'14 special issue of IJEEE

G. Descombes · P. Podevin · Farivar Fazelpour ·
M. Feidt · T. Morozuk

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The 7th Conference on Energy–Environment–Economy and Thermodynamics COFRET'14 was held from 23rd to 25th April 2014 in CNAM (Conservatoire National des Arts et Métiers), Paris, France. This institution is located in a place full of historical memories, because it includes the state museum of arts and trades. It was founded on 10th October 1794, by an abbot Grégoire. At a visit to the museum, all participants discover, particularly the Lavoisier lab, the Cugnot water vapor heat engine, the Papin experiment, the Adler aeroplane, and other memorable pieces.

This Congress appears as a renewed success under the impulse of the French and Romanian communities particularly involved since the beginning in developing this action. Approximately, one-hundred papers have been selected over the 164 submissions. 63 papers have been proposed for oral presentations, and 37 as posters. All papers have been published in the proceedings of the Congress (1,154 pages, with an ISSN number 2269-1901).

This 7th COFRET'14 manifestation is associated with a remarkable participation of North African countries. 42 % of papers have come from North Africa, 31 % from East and Central European countries, 22 % from West European

nations. 55 % of the themes are related to non-carbonaceous energies, valorization and storage of heat; 45 % of papers are related to energetics and processes.

New themes are also emerging:

- magneto caloric conversion of energy,
- green chemistry.

It appears here curiously that the focus on matter of Lavoisier is retrieved: the sustainability imposes to valorize first the matter (recycling and coproducts), secondly optimal energy uses remaining matter.

The percentage of papers written in French (due to the French speaking community color of COFRET) is remarkable: 73 papers in French and 27 papers in English. A selection of papers is proposed for special issues in *Termotehnica* (French and English), *Journal of Romanian Automotive Engineers Society*, and *International Journal of Energy and Environmental Engineering* (in English).

The coming COFRET'16 Conference will be held at Politehnica University in Bucarest, Romania. Thanks to the organizing committee of COFRET'14, attendees, and ADEME (French environmental and energy agency) for their continuous support in the frame of the EURECO network (Energie Utilisée Rationnellement dans les pays d'Europe Centrale et Orientale; Efficient Use of Energy with East and Central European countries), since more than 20 years. A new network seems to be fruitful in the near future of North African countries (a suggestion).

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G. Descombes · P. Podevin
CNAM, Paris, France

F. Fazelpour (✉)
Islamic AZAD University, Tehran, Iran
e-mail: fazelpour38@yahoo.de

M. Feidt
University of Lorraine, Nancy cedex, France

T. Morozuk
TV. Berlin, Berlin, Germany

