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SENERES Events

Recruitment of two experienced researchers within SENERES project (WP2)

Recently two experienced researchers – **Ms Izabela Stefanowicz-Pięta (PhD)** and **Mr Marcin Siedlecki (PhD)** – have been employed in terms of SENERES project in Institute of Power Engineering in Warsaw. Their applications have been assessed by an independent Evaluation Commission, whose responsibility was to rank different candidates for a given position according to their merits and potential. Both of them are valuable for the project due to their rich list of scientific achievements and experience in the field of clean coal technologies and energy generation from biomass.

Marcin Siedlecki, who is an experienced researcher in the field of biomass conversion, graduated from Delft University of Technology with a Ph.D in Energy Technology. For the last 9 years Mr Siedlecki has performed research on thermochemical conversion of different biomass types. Mr Siedlecki is an expert in synthesis gas production from biomass using a fluidized bed reactor and has contributed to many recent European research projects with his advanced knowledge and impressive experience. Mr Siedlecki was recruited for the position of Experienced Researcher in the area of energy generation from biomass in **Thermal Processing Department** of the Institute of Power Engineering in Warsaw for 2 years.

Izabela Stefanowicz-Pięta received the doctor's degree at the University of Malaga with honours. Before joining SENERES Ms Stefanowicz – Pięta contributed to many projects concerning clean coal technologies all around the world, which proves she can provide a valuable contribution to SENERES project. Ms Izabela Stefanowicz-Pięta was recruited for the position of adjunct in **Fuel Cell Department** of the Institute of Power Engineering.

Mr Siedlecki and Ms Stefanowicz-Pięta will surely accelerate research and development of the regional and European sustainable energy technologies.

Welcome address

Welcome to the fourth issue of the SENERES Newsletter. SENERES is the project founded within frames of FP7 Capacities RegPot Programme. The main objective of the SENERES project is to reinforce and develop research and demonstration potential of the Institute of Power Engineering (Poland) and to set up the **Sustainable Energy Research and Development Centre SENERES** focused on high efficient low-carbon energy technologies: energy generation from biomass, clean coal technologies and fuel cells.

The SENERES Newsletter is a source of periodical information about SENERES project activities. It disseminates results of SENERES Centre research work and the Centre's development. It also delivers the most important information about the development of research, events and possibilities of research funding in SENERES thematic area.



Researchers Recruitment

After the recruitment of two researchers within SENERES the next call for experienced researcher will be published after careful consideration from the side of Research groups leaders. There are certain areas of interest that might require international support from the side of experienced researcher in one of the following areas:

- ❖ Energy generation from biomass,
- ❖ Clean coal technologies,
- ❖ SOFC systems.

Call for Proposals

The Call launched on the 10th July 2012 shows the possibility to join the implemented ICT project.

It is included in the work programme of ICT – 2013.11.4: Supplements to strengthen Cooperation in ICT R&D in Enlarged European Union.

Condition of participation:

- ❖ Project coordinator has to submit an application for admission of a new partner;
- ❖ New partner has to come from outside of the consortium countries;
- ❖ Project coordinator should justify the presence of a new partner in the consortium;
- ❖ Project has to be finished after 14th June 2014.

Financial support will not exceed 1 billion €, but no more than 30% of the project budget can be funded by EU.

Call deadline: 15th of January 2013

The call information is available on the following website:

http://cordis.europa.eu/fp7/ict/home_en.html

Important Events

October 8-11, Open Days – 10th European Week of Regions and Cities, Brussels

The biggest annual event in the world of regional and urban policy marks its 10th anniversary at a crucial time for EU Cohesion Policy. Talks on the EU budget and the future shape of cohesion policy are entering their final and critical phase. Open Days 2012 will bring together some 6000 regional policy practitioners from all over Europe to share best practice and reinforce Regional Policy as the main instrument to realise the growth goals of Europe2020 and supporting the EU's exit from the crisis. Under the banner of 'Europe's regions and cities: Making a difference', over 100 seminars and workshops will focus on the priorities for future funding:

- ❖ Smart and green growth for all, promoting innovation/research and development
- ❖ Support for SME's
- ❖ Territorial cooperation

Delivering and measuring results for a more effective policy. OPEN DAYS 2012 will take stock of achievements so far and define the future shape of policy.

More information is available on the website:

www.opendays.europa.eu

October 10 - 11, 2012, Conference on Carbon Dioxide as Feedstock for Chemistry and Polymers, Essen

The conference in Essen will concern the use of carbon dioxide for fuels, chemicals and plastics. During the event the world leading experts on the use of CO₂ will be presenting their latest developments.

More information is available on the website:

<http://www.co2-chemistry.eu/>

October 15-16, 2012, Security, Resilience and Diplomacy, London

The conference will concern the national and international actions, which must be taken to manage climate security challenges.

The key issues raised during the conference will concern:

- ❖ The impact of climate change on border shifts, migration, health, security of critical infrastructure and competition for natural resources,
- ❖ The role of geoengineering in managing climate,
- ❖ Financing of actions taken to mitigate the climate changes.

More information is available on the website:

<http://www.chathamhouse.org/climatechange2012?campaign=confalerts>

October 23, 2012, The Carbon Show, London

The Carbon Show is one of the main annual events. The show concerns energy efficiency and low carbon economy. The seminar will be held in the form of discussion between experts from public and private sectors.

More information is available on the website:

<http://www.thecarbonshow.com>

October 29-31, 2012, Global Energy 2012, Geneva

The conference in Geneva will concern the oil and gas new trading opportunities. The conference will also show innovations, new technologies and development in oil and gas sectors.

More information is available on the website:

<http://www.globalenergygeneva.com/>

November 12-14, 2012, 7th International Renewable Energy Storage Conference and Exhibition (IRES 2012), Berlin

The event will take place in Berlin, at the Congress Center. The event is organized as a result of EUROSOLAR success and the World Council for Renewable Energy (WCRE). IRES 2012 should be seen as the platform for sharing knowledge in the field of future energy supply

More information is available on the website:

http://www.eurosolar.de/en/index.php?option=com_content&task=view&id=520&Itemid=143

Marie Curie Initial Network

Marie Curie Initial Network (ITN) is a call of 7th Framework program, specifically its part – people. The submission deadline was established for 22 November 2012. The action ITN is included in the following funding scheme: Support for training and career development of researchers. Involvement of the private sector in the initiative is essential in order to fulfill objectives of the program. Research fields for all Marie Curie projects can be chosen arbitrarily by the applicants. The implementation of the action will be conducted by supporting selected networks of organizations in research training. ITN proposal projects may take one of the above forms:

- ❖ Multi-Partner ITN. Requirement for participation of at least 3 units established in at least 3 different member states;
- ❖ European Industrial Doctorates (EID). Each EID must be composed of two participants - a representative of research field and private sector;
- ❖ Innovative Doctoral Programmes (IDP), composed of a sole participant set in a Member State.

The main objectives of the at ITN action are specified below:

- ❖ Improving career perspectives of early-stage researchers (obtained by structuring the existing research training capacity);
- ❖ Adding the employability of the recruited researchers through exposure to both academia and enterprise (what will eventually extend traditional academic research and eliminate cultural barriers).

ITN proposal project are limited by participation criteria that are different for participants at the first level (called just participants) and the second level (Associated partners). Participants can be characterized as full partners of networks, contributing directly to the implementation of the training programme (by recruiting and hosting researchers). They are also signatories to the grant agreement. On the other hand associated partners do not recruit any researchers and are not signatories to the grant agreement. They also cannot claim any costs for the project.

Recently published

- ❖ Rubino, A.; Boer, R. de; Seasonal Storage of Solar Heat: Reactor Modeling; ECN-M–12-014 september 2012; 9 pag.; Presented at: 10th IIR Gustav Lorentzen Conference 2012, Delft, The Netherlands, 25-27 juni 2012.
- ❖ Daza Montano, C.M.; Pels, J.R.; Fryda, L.E.; Zwart, R.W.R.; Evaluation of Torrefied Bamboo for Sustainable Bioenergy Production; ECN-M--12-013,may 2012; p. 11.; Presented at: World Bamboo Congress, Antwerp, Belgium, 10-15 april 2012.

- ❖ Smart, S.; Vente, J.F.; Diniz da Costa, J.C.; High temperature H₂/CO₂ separation using cobalt oxide silica membranes ECN-W--12-034 augustus 2012; 10 pag.; Published in: International Journal of Hydrogen Energy (Elsevier), 2012, Ed.37, p.12700 -12707.
- ❖ Brunsting, S.; Pol, M.; Paukovic, M.; Kaiser, M.; Zimmer, R.; Shackley, S.; Mabon, L.; Hepplewhite, F.; Loveridge, R.; Mazurowski, M.; Polak-Osiniak, D.; Rybicki, C.; SiteChar D8.1 Characterisation of European CO₂ storage. Qualitative and quantitative social site characterisations ECN-O--11-071 augustus 2012; 155 pag.
- ❖ Ferchaud, C.J.; Zondag, H.A.; Boer, R. de; Rindt, C; Characterization of the sorption process in thermochemical materials for seasonal solar heat storage application ECN-M--12-040 augustus 2012; 11 pag.; Presented at: Innostock 2012, Lleida (Spain), 16-18 mei 2012.
- ❖ Carbo, M.C.; Kalivodova, J.; Cieplik, M.K.; Drift, A. van der; Zwart, R.W.R.; Kiel, J.H.A.; Entrained Flow gasification of coal/torrefied woody biomass blends ECN-L--12-042 juli 2012; 23 pag.; Presented at: 5th International Freiberg Conference on IGCL & Xtl Technologies, Leipzig, Duitsland, 21 mei 2012.
- ❖ M. Mosiadz, K. L. Juda, K. Vandaele, S. C. Hopkins, A. Patel, B. A. Glowacki, I. Van Driessche, J. Soloducho, M. Falter, M. Baecker, *Inkjet Printing, Pyrolysis and Crystallisation of YBa₂Cu₃O_{7-δ} Precursor Layers for Fully Chemical Solution Deposited Coated Conductors* Physics Procedia, **36** 1450-1455 (2012) | DOI: 10.1016/j.phpro.2012.06.241 *Superconductivity Centennial Conference (SCC-2011: EUCAS-ISEC-ICMC 2011), The Hague, The Netherlands, 18-23 September 2011*
- ❖ M. Dudek, P. Tomczyk, K.L. Juda, R. Tomov, B.A. Glowacki, S. Batty, P. Risby, R. Socha, *Comparison of the Performances of DCFC Fuelled with the Product of Methane RF Plasma Reforming and Carbon Black* International Journal of Electrochemical Science, **7** (8) 6704-6721 (1 August 2012).
- ❖ K Vandaele, M Mosiadz, S C Hopkins, A Patel, I Van Driessche, B A Glowacki, *The influence of heat treatment parameters on pyrolysed TFA-derived YBCO films deposited by inkjet printing* Materials Research Bulletin, **47** (8) 2032-2039 (August 2012)
- ❖ Hingfu Wang, Simon C. Hopkins, Rumen I. Tomov, R. Vasant Kumar, Bartek A. Glowacki, *Optimisation of CGO suspensions for inkjet-printed SOFC electrolytes*, Journal of the European Ceramic Society, **32** (10) 2317-2324 (August 2012).
- ❖ Sijm, J.P.M.; Chen, Y.; Hobbs, B.F.; The impact of power market structure on CO₂ cost pass-through to electricity prices under quantity competition - A theoretical approach ECN-V--12-009 juli 2012; 10 pag.; Published in: Energy Economics (Elsevier), 2012, Ed.34, p.1143-1152. .