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## Welcome address

Welcome to the seventh 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.



## SENERES Events

### SENERES Workshop and Steering Committee meeting

The Institute of Power Engineering has organised SENERES Workshop and Steering Committee on the 13th-14th of May 2013.

The title of the workshop was: "Clean coal technologies with CO<sub>2</sub> capture – gasification and oxy-combustion technologies". It was conducted by speakers from ECN (Petten, The Netherlands) will be: Dr Rian Visser, Dr Luc Rabou, Dr Jan Pels and Dr Paul de Wild.

Workshop topics included, among others: problems of thermal conversion of biomass and waste, electricity and heat generation from waste, co-combustion of biomass with hard coal and lignite, exhaust gases cleaning and use of gas fuels.



It has been a successful meeting gathering around 40 participants from Poland and from abroad. The workshop was attended by researchers of the Institute of Power Engineering, the partners of SENERES project from TU Delft (The Netherlands), KTH (Sweden), Cambridge University (Great Britain), CIRCE (Spain) IFK USTUTT (Germany) and CNR\_ISTEC (Italy), members of the Steering Committee of the project, representatives of the Ministry of Science and Higher Education, Industry (PGE) and representatives of the Institutes of Power Engineering from Romania and Lithuania.

During the first day of the workshop there was also organized the SENERES Steering Committee, attended by professor Jacek Wańkiewicz, director of the Institute of Power Engineering.

## IPR workshop of SENERES project

SENERES dedicated Workshop on protection and management of IP took place on the 5th of June 2013 in the Institute of Power Engineering, Warsaw, Poland.

It has been organised in accordance with SENERES project realisation of Task 4.3 - Organisation of an intensive course/specific training on protection and management of Intellectual Property in the field of energy generation from biomass, clean coal technologies and fuel cells.

After last year's (2-3.04.2013) intensive training on protection and management of Intellectual Property and permanent collaboration with experts in the field now SENERES is concluding with a dedicated workshop, the self-tailored programme concerning the protection of Intellectual Properties. The scope of the workshop covered innovation strategies and processes of commercialization of the results of research works and inventions in the Institute of Power Engineering. Around 40 participants took part in the Workshop and actively analysed the suggested issues in the context of the Institute.

It has been conducted by Luk Palmen - the experienced expert, CEO of InnoCo Ltd. The company was established in 2007. InnoCo founders: Luk Palmen and Marcin Baron, accompanied by a team of related professionals, rely on several years of experience in setting up regional initiatives for innovation and technology development.

## Researchers Recruitment

With reference to SENERES WP2 (Recruitment of researchers) the Institute of Power Engineering (IEn, Warsaw, Poland) the following calls has been published (deadline 15.07.2013). It will probably be the last call in 2013.

### Call for Experienced Researcher - SOFC systems

Institute of Power Engineering (IEn, Warsaw, Poland) has launched an international call for applications to fill a research and development position in the area of  $\mu$ -CHP/SOFC development. The call is open to any candidate that fills requirements for the position. However, only outstanding candidates with excellent R&D achievements record and leadership capabilities will be considered.

### Place of work:

Institut Energetyki (Institute of Power Engineering) 36 Augustówka Street 02-981 Warsaw Poland

### Dimension of regular post: 1

### Number of position of work: 1 or more

### Agreement on definite time: up to 10 months stay

### Characteristics of the positions:

The experienced researcher will be employed in the FP7 project SENERES Sustainable Energy Research and Development Centre. The researcher will lead and guide team of young scientists and engineers developing the  $\mu$ -CHP/SOFC system in a cross-functional environment comprised of design, sourcing/selection/fabrication of components, construction, and testing activities. It is generally expected that the successful candidates after the co-funded initial period would become permanent staff of IEn.

### Requirements related to the position:

- ❖ PhD degree in the relevant research fields combined with minimum 3 years of experience or expertise of a minimum 8 years (combined) research in one of the following research area
  - $\mu$ -CHP/SOFC (1-2 kWe) system design, construction and testing,
  - control system design and implementation for the  $\mu$ -CHP/SOFC,
  - design, construction, sealing and testing of SOFC stacks,
  - components design, construction/selection for the  $\mu$ -CHP/SOFC,
  - modelling of SOFC stacks and systems
- ❖ Fluent English (knowledge of Polish language is always welcome and Polish nationals having left the country are encouraged to apply),
- ❖ Proven track record of professional accomplishment, preferably demonstrated through a strong publications list
- ❖ An enthusiastic team player with the ambition to strengthen and expand the research of the new group.

**Required documents and statements:**

- ❖ employment application;
- ❖ curriculum vitae;
- ❖ copy of higher education diplomas, granting a degree or scientific title;
- ❖ abstract containing concise information about candidate's scientific research achievements to date and implementation, participation in national and international research projects, foreign languages,
- ❖ list of publications,
- ❖ other evidence of qualifications of the candidate (for example: certificates confirming knowledge of foreign languages, letters of reference)
- ❖ statement by the candidate on the use of full civil rights for the mind and conduct crime indictable offense, or the mind of Treasury
- ❖ a statement of the candidate to consent to the processing of personal data for purposes of this contest

**Applications must be submitted in paper before:**

17th of July 2013

**Place of documents submission:**

Instytut Energetyki - Instytut Badawczy Mory 8 01-330 Warszawa Poland

**postscript:** Call for Experienced Researcher - SOFC systems

**The evaluation procedure:**

The applications will be assessed by an independent evaluation commission, whose responsibility will be to rank the different candidates for a given position according to their merits and potential. The selected best candidates will be invited for an interview at IEn. Based on this assessment, and on interviews conducted with the best candidates, IEn will sign the corresponding contract with a successful candidate. Authors of rejected applications will not be notified.

**Additional information:**

[instytut.energetyki@ien.com.pl](mailto:instytut.energetyki@ien.com.pl)

**Call for Experienced Researcher in the area of clean coal technologies**

Institute of Power Engineering (IEn, Warsaw, Poland) has launched an international call for applications to fill a research and development position in the area of clean coal technologies. The call is open to any candidate that fills requirements for the position. However, only outstanding candidates with excellent R&D achievements record and leadership capabilities will be considered. The Polish nationals having left the country are particularly encouraged.

**Place of work:**

Instytut Energetyki (Institute of Power Engineering)  
36 Augustówka Street 02-981 Warsaw Poland

**Dimension of regular post: 1****Number of position of work: 1****Agreement on definite time: up to 10 months**

The experienced researcher will be employed in the FP7 project *SENERES Sustainable Energy Research and Development Centre*. The researcher will lead and guide team of young scientists and engineers developing at least one of the following areas and topics to oxy-fuel technologies:

- ❖ coal combustion in modified atmospheres (CO<sub>2</sub>/O<sub>2</sub>/H<sub>2</sub>O) in various scales: laboratory (single particle, drop tubes) and semi-industrial (0.5 MWth furnace) in respect to heat transfer, burnout, gaseous emissions, corrosion, slagging and fouling,
- ❖ multicomponent FTIR gas measurements (nitrogen and sulphur compounds, HCl, HF, hydrocarbons),
- ❖ 3D PIV, LIF and ES measurements in semi-industrial facility,

It is generally expected that successful candidates after the co-funded initial period would become a permanent staff of IEn.

**Requirements related to the position:**

- ❖ PhD degree in the relevant research fields combined with minimum 3 years of experience or expertise of a minimum 8 years (combined) research in the area of clean coal technologies and industrial demonstrations
- ❖ Fluent English (basic knowledge of Polish is always welcome),

- ❖ Proven track record of professional accomplishment, preferably demonstrated through a strong publications list
- ❖ An enthusiastic team player with the ambition to strengthen and expand the research of the new group.

**Required documents and statements:**

- ❖ employment application
- ❖ curriculum vitae;
- ❖ copy of higher education diplomas, granting a degree or scientific title;
- ❖ abstract containing concise information about candidate's scientific research achievements to date and implementation, participation in national and international research projects, foreign languages,
- ❖ list of publications,
- ❖ other evidence of qualifications of the candidate (for example: certificates confirming knowledge of foreign languages, letters of reference)
- ❖ statement by the candidate on the use of full civil rights for the mind and conduct crime indictable offense, or the mind of Treasury;
- ❖ statement of the candidate to consent to the processing of personal data for purposes of this contest.

**Applications must be submitted in paper before**

17<sup>th</sup> of July, 2013

**Place of documents submission:**

Instytut Energetyki - Instytut Badawczy  
Mory 8 01-330 Warszawa Poland

**postscript:** *Call for Experienced Researcher – clean coal technologies*

**The evaluation procedure:**

The applications will be assessed by an independent evaluation commission, whose responsibility will be to rank the different candidates for a given position according to their merits and potential. The selected best candidates will be invited for an interview at IEn. Based on this assessment, and on interviews conducted with the best candidates, IEn will sign the corresponding contract with a successful candidate. Authors of rejected applications will not be notified.

**Additional information:**

instytut.energetyki@ien.com.pl

**Call for Experienced Researcher in the area of energy generation from biomass**

Institute of Power Engineering (IEn, Warsaw, Poland) has launched an international call for applications to fill a research and development position in the area of energy generation from biomass. The call is open to any candidate that fills requirements for the position. However, only outstanding candidates with excellent R&D achievements record and leadership capabilities will be considered. The Polish nationals having left the country are particularly encouraged.

**Place of work:**

Instytut Energetyki (Institute of Power Engineering)  
36 Augustówka Street 02-981 Warsaw Poland

**Dimension of regular post: 1****Number of position of work: 1****Agreement on definite time: up to 10 months**

The experienced researcher will be employed in the FP7 project *SENERES Sustainable Energy Research and Development Centre*. The researcher will lead and guide team of young scientists and engineers developing at least one of the following areas and topics:

- ❖ Biomass CHPC systems  $\geq 1$  MW in respect to their design, operation, emissions, efficiency and economics
- ❖ Biomass firing and co-firing with coal:
  - biomass pretreatment, e.g. torrefaction,
  - fouling and slagging processes, chloride corrosion (evaluation, decreasing of negative impact, e.g. chemical additives),
  - measurements of particulate emissions (PM), NO<sub>x</sub> and other compounds formed during the incomplete combustion of biomass (CO, OGC, PAHs),
  - numerical modeling of the biomass combustion process.

It is generally expected that successful candidates after the co-funded initial period would become a permanent staff of IEn.

**Requirements related to the position:**

- ❖ PhD degree in the relevant research fields combined with minimum 3 years of experience or expertise of a minimum 8 years (combined) research in the area of energy generation from biomass and industrial demonstrations,

- ❖ Fluent English (basic knowledge of Polish is always welcome),
- ❖ Proven track record of professional accomplishment, preferably demonstrated through a strong publications list
- ❖ An enthusiastic team player with the ambition to strengthen and expand the research of the new group.

**Required documents and statements:**

- ❖ employment application
- ❖ curriculum vitae;
- ❖ copy of higher education diplomas, granting a degree or scientific title;
- ❖ abstract containing concise information about candidate's scientific research achievements to date and implementation, participation in national and international research projects, foreign languages,
- ❖ list of publications,
- ❖ other evidence of qualifications of the candidate (for example: certificates confirming knowledge of foreign languages, letters of reference)
- ❖ statement by the candidate on the use of full civil rights for the mind and conduct crime indictable offense, or the mind of Treasury;
- ❖ statement of the candidate to consent to the processing of personal data for purposes of this contest.

**Applications must be submitted in paper before**

17<sup>th</sup> of July, 2013

**Place of documents submission:**

Instytut Energetyki - Instytut Badawczy  
Mory 8 01-330 Warszawa Poland

**postscript:** *Call for Experienced Researcher – clean coal technologies*

**The evaluation procedure:**

The applications will be assessed by an independent evaluation commission, whose responsibility will be to rank the different candidates for a given position according to their merits and potential. The selected best candidates will be invited for an interview at IEn. Based on this assessment, and on interviews conducted with the best candidates, IEn will sign the corresponding contract with a successful candidate. Authors of rejected applications will not be notified.

**Additional information:**

instytut.energetyki@ien.com.pl

## Call for Proposals

### Exchange of New Entrepreneurs between the Federative Republic of Brazil and Europe

On the 24th of May 2013 the call with the identifier 79-G-ENT-CIP-163-E-N01C07, Specific Programme Entrepreneurship and Innovation Programme (EIP) was published. The call indicative budget is EUR 250 000.

The main goal of the proposal is to select an organisation which will manage the Exchange of New Entrepreneurs between Brazil and Europe. The entrepreneurs should be assisted by organized exchanges under the scheme.

**The deadline for the application is:** 4th July 2013

**More information can be found on the website:**

[http://ec.europa.eu/research/participants/portal/page/call\\_CIP?callIdentifier=79-G-ENT-CIP-163-E-N01C07&specificProgram=EIP](http://ec.europa.eu/research/participants/portal/page/call_CIP?callIdentifier=79-G-ENT-CIP-163-E-N01C07&specificProgram=EIP)

### Calls for proposals for ERC Proof of Concept Grant

On the 10th of January 2013 the call with the identifier ERC-2013-PoC was published. The call indicative budget is EUR 10 million .

European Research Council ERC Proof of Concept Grant is and additional funding for ERC grant holders. The grant aims to establish proof concept, identify a development path and an Intellectual Property Rights for any ideas that will arise from projects funded by ERC.

The first deadline for the application was on 24 April 2013,

**Final deadline:** 3 October 2013

**More information can be found on the website:**

[http://ec.europa.eu/research/participants/portal/page/call\\_FP7;efp7\\_SESSION\\_ID=yQQTR56XL1yy6bv9jvp9GVN66kRLGqtLq8vpSkzVMwwj0DhhzBNG!709754093?callIdentifier=ERC-2013-PoC&specificProgram=IDEAS#wlp\\_call\\_FP7](http://ec.europa.eu/research/participants/portal/page/call_FP7;efp7_SESSION_ID=yQQTR56XL1yy6bv9jvp9GVN66kRLGqtLq8vpSkzVMwwj0DhhzBNG!709754093?callIdentifier=ERC-2013-PoC&specificProgram=IDEAS#wlp_call_FP7)

### MARIE CURIE INTRA-EUROPEAN FELLOWSHIPS FOR CAREER DEVELOPMENT (IEF)

On the 14th of March 2013 the call with the identifier FP7-PEOPLE-2013-IEF, Specific Programme People was published. The call indicative budget is EUR 134 million.

The programme can be classified as a research and training project for researchers from European Union or associated countries and have a wish to move to the other member or associated country.

**The deadline for the application is:** 14 August 2013 at 17.00

**More information can be found on the website:**  
[http://ec.europa.eu/research/participants/portal/page/call\\_FP7?callIdentifier=FP7-PEOPLE-2013-IEF&specificProgram=PEOPLE#wlp\\_call\\_FP7](http://ec.europa.eu/research/participants/portal/page/call_FP7?callIdentifier=FP7-PEOPLE-2013-IEF&specificProgram=PEOPLE#wlp_call_FP7)

### **MARIE CURIE INTERNATIONAL INCOMING FELLOWSHIPS (IIF)**

On the 14th of March 2013 the call with the identifier FP7-PEOPLE-2013-IIF Specific Programme People was published. The call indicative budget is EUR 44.5 million.

The grant is going to be awarded to the researcher who is going to be employed in one of the third countries for period between 1 and 2 years. The employment has to be associated with a transfer of knowledge and technologies.

**The deadline for the application is :** 14 August 2013

**More information can be found on the website:**  
[http://ec.europa.eu/research/participants/portal/page/call\\_FP7?callIdentifier=FP7-PEOPLE-2013-IIF&specificProgram=PEOPLE#wlp\\_call\\_FP7](http://ec.europa.eu/research/participants/portal/page/call_FP7?callIdentifier=FP7-PEOPLE-2013-IIF&specificProgram=PEOPLE#wlp_call_FP7)

### **MARIE CURIE INTERNATIONAL OUTGOING FELLOWSHIPS FOR CAREER DEVELOPMENT**

On the 14th of March 2013 the call with the identifier FP7-PEOPLE-2013-IOF Specific Programme People was published. The call indicative budget is EUR 44.5 million. The project is to give support for training and career development of researchers. The action is addressed to experienced researchers who can benefit from a life-long training and career development measure. The action aims to strengthen international career of experienced researchers by conducting the research in the other European institution.

**The deadline for the application is:** 14 August 2013

**More information can be found on the website:**  
[http://ec.europa.eu/research/participants/portal/page/call\\_FP7?callIdentifier=FP7-PEOPLE-2013-IOF&specificProgram=PEOPLE#wlp\\_call\\_FP7](http://ec.europa.eu/research/participants/portal/page/call_FP7?callIdentifier=FP7-PEOPLE-2013-IOF&specificProgram=PEOPLE#wlp_call_FP7)

### **MARIE CURIE CAREER INTEGRATION GRANTS (CIG)**

On the 14th of March 2013 the call with the identifier FP7-PEOPLE-2013-CIG Specific Programme People was published. The call indicative budget is EUR 40 million

The action is devoted to experienced researchers. The project supports integration of the researcher in one the European or associated countries.

**The deadline for the application is:** 18 September 2013

**More information can be found on the website:**  
[http://ec.europa.eu/research/participants/portal/page/call\\_FP7?callIdentifier=FP7-PEOPLE-2013-CIG&specificProgram=PEOPLE#wlp\\_call\\_FP7](http://ec.europa.eu/research/participants/portal/page/call_FP7?callIdentifier=FP7-PEOPLE-2013-CIG&specificProgram=PEOPLE#wlp_call_FP7)

## **Important Events**

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### **July 1-3 2013, Materials and Renewable Energy (MRE 2013), Athens, Greece**

The congress will be a first event of that type. It will be organized in Athens, with support of University of Bolton, UK and other partners from all of the world. The conference will serve as a platform for presentation of Academic and researcher organization. Choice of Greece as a host country is not random. Country is becoming a leader in the research in the field of renewable energy.

The congress aims to provide a platform for discussion and information exchange between researchers, scientists and engineers from academia and industry.

**More information is available on the website:**  
<http://www.energy-conference.co.uk>

### **4-7 July 2013, ECSEE 2013 - The European Conference on Sustainability, Energy and the Environment Brighton, England**

ECSEE 2013 will address various dimensions of human sustainability such as business, industry, government and academia. Sustainability stop to concern issues connected only with environment and global warming, but starts to spread out on different areas of human society.

**More information is available on the website:**  
<http://ecsee.iafor.org>

**12-15 July 2013 Hydrogen and Fuel Cells Napa Valley, California, United States**

The second Zing International Hydrogen and Fuel Cells Conference will be devoted to works on: Hydrogen production, storage and utilisation - from novel nanomaterials to systems for the portable, stationary and automotive sectors.

Mainly the following areas will be covered:

- ❖ Hydrogen Production and Materials
- ❖ Renewable Hydrogen
- ❖ Materials for Hydrogen Storage
- ❖ Fuel Cell Research & Development
- ❖ Hydrogen and Fuel Cell Applications
- ❖ Hydrogen Safety Engineering.

**More information is available on the website:**

<http://www.zingconferences.com/index.cfm?page=conference&intConferenceID=109&type=conference>

**8-10 September 2013, Energy for Sustainability 2013, Coimbra, Portugal**

The first Energy for Sustainability Multidisciplinary Conference Efs 2013 is being organized by the Institute for Research and Technological Development in Construction science (ITeCons).

The following topics will be discussed during the event:

- ❖ SMART CITIES
- ❖ BUILDINGS AND END-USES
- ❖ POLICY AND ASSESSMENT
- ❖ CLEANER ENERGY SUPPLY (Renewable Energy, Cogeneration)
- ❖ Special Sessions (Biofuels & Bioenergy - Prof. Fausto Freire, Life-cycle assessment in the built environment - Prof. Fausto Freire)

**More information is available on the website:**

<http://www.itecons.uc.pt/efs2013/>

**25-26 September 2013, Energy from Waste 2013, London, United Kingdom**

SMi's will be already 6th annual conference on Energy from Waste, providing attendees with in depth knowledge concerning the issue of energy possessing from waste. The conference will be concentrated on policy and market updates, project deliverability, finance and investment, technological development and the renewable heat incentive. The event will be great occasion to bring together key leaders and provide them with current status Energy from Waste.

**More information is available on the website:**

<http://www.smionline.co.uk/energy/uk/conference/energy-from-waste>

**12-13 October 2013, 2013 3rd International Conference on Petroleum and Sustainable Development (ICPSD 2013), Paris, France**

The objective of the Conference on Petroleum and Sustainable Development is to provide a communication platform for researchers, engineering, academicians and industry representatives, where they will be able to present the results of their research.

**More information is available on the website:**

<http://www.icpsd.org/>

**Recently Published**

- ❖ Huijgen, W.J.J.; Hal, J.W. van; Telysheva, G.; Gosselink, R.J.A.; *Ethanol-based Organosolv Pretreatment of Wheat Straw: Process Optimization and Lignin Characterization* ECN-L--13-031 juni 2013; 21 pag. Presented at: 21st European Biomass Conference and Exhibition, Copenhagen, Denmark, 5th June 2013.
- ❖ Geusebroek, M.; *14Credits: A novel method to measure your Green Energy* ECN-M--13-007 EN juni 2013; 1 pag. Presented at: GAS2013, WTC Rotterdam, 5-7 juni 2013.
- ❖ Lamers, M.W.P.E.; Butler, K.T.; Vullum, P.E.; Harding, J.H.; Weeber, A.W.; *Characterization of a-SiNx:H layer: bulk properties, interface with Si and solar cell efficiency* ECN-W--13-019 EN mei 2013; 12 pag. Published in: *Physica Status Solidi (A)* (Wiley-VCH Verlag GmbH & Co), 2013, Ed.210, no. 4, p.658-668.
- ❖ Rietveld, G.; *Outlook on Biomass Pellet Market & Biomass Processing Technologies* ECN-L--13-027 EN mei 2013; 39 pag. Presented at: Biomass Asia Conference 2013, Kuala Lumpur, Malaysia, 20-22 May 2013.
- ❖ Meijden, C.M. van der; Rietveld, G.; *Waste wood gasification demonstration project* ECN-L--13-026 EN mei 2013; 24 pag. Presented at: World Biomass Power Markets, Amsterdam, The Netherlands, 15 - 17 May 2013.
- ❖ Hal, J.W. van; Huijgen, W.J.J.; *More than sushi and agar: Developing a seaweed biorefinery* ECN-L--13-020 EN april 2013; 43 pag. Presented at: 9th European Congress of Chemical Engineering, The Hague, The Netherlands, 25 April 2013.

- ❖ Veum, K.C.; Uslu, A.; Coninck, H.C. de; *Renewable energy: from marginal to mainstream* ECN-O--13-017 EN april 2013; 10 pag.
- ❖ Hal, J.W. van; Huijgen, W.J.J.; Uil, H. den; *Fractionation of sustainable biomass from land and sea* ECN-L--13-018 EN april 2013; 27 pag. Presented at: Biorefinery for Food, Fuel and Materials 2013, Wageningen, The Netherlands, April 9th, 2013.
- ❖ Dalla Longa, F.; Klinge Jacobsen, H.; Pade Hnasen, L.; Tantareanu, C.; Caldes-Gomez, N.; Santamaria-Belda, M.; RES4LESS - *Cost-Efficient and Sustainable Deployment of Renewable Energy Sources towards the 20% Target by 2020, and beyond. Summary of case studies for cooperation mechanisms* ECN-O--13-015 EN maart 2013; 34 pag.
- ❖ Rabou, L.P.L.M.; *Biomass gasification and upgrading to biomethane* ECN-L--13-003 EN februari 2013; 22 pag. Presented at: EDGaR-DVGW Joint Conference, Arnhem, The Netherlands, February 7, 2013.
- ❖ Ordorica-Garcia, G.; Nikoo, M.; Carbo, M.C.; Bolea, I.; *Technology Options and Integration Concepts for Implementing CO2 Capture in Oil-Sands Operations* ECN-W--12-035 EN december 2012; 14 pag. Published in: Journal of Canadian Petroleum Technology (Society of Petroleum Engineers), , Ed., p.-.
- ❖ Kiel, J.H.A.; *Torrefaction to improve biomass logistics (and end-use)* ECN-L--12-082 EN december 2012; 30 pag. Presented at: Mini symposium Biomass developments in ports, TU Delft, the Netherlands, December 4th, 2012.
- ❖ Bartolome Rubio, Carmen; Gil Martinez, Antonia: *Emissions during co-firing of two energy crops in a PF pilot plant* Fuel Processing Technology 9
- ❖ Gil Cinca, Miguel; Arauzo Pelet, Inmaculada; Teruel Doñate, Enrique; *Influence of Input Biomass Conditions and Operational Parameters on Comminution of Short Rotation Forestry Poplar and Corn Stover Using Neural Networks* Energy and Fuels 5 2649-2659
- ❖ Gil Cinca, Miguel; Arauzo Pelet, Inmaculada; Schott, Dingena; Teruel Doñate, Enrique; *Handling behavior of two milled biomass: SRF poplar and corn stover* Fuel Processing Technology 76-85
- ❖ Aranda Uson, Jose Alfonso; Lopez Sabiron, Ana Maria; Llera Sastresa, Eva Maria; Ferreira Ferreira, German; *Uses of alternative fuels and raw materials in the cement industry as sustainable waste management options* Renewable & Sustainable Energy Reviews 242-260
- ❖ Herce Fuente, Carlos; Stendardo, Stefano; Andersen, Lars K.: *Self-activation and effect of regeneration conditions in CO2 – carbonate looping with CaO - Ca12A114O33 sorbent* 2013 Chemical Engineering Journal 383-394
- ❖ Bolea Aguero, Irene; Diez Pinilla, Luis Ignacio; Guedea Medrano, Isabel; Lupiañez Torrents, Carlos; Romeo Gimenez, Luis Miguel *Experimental study of SO2 and NOx emissions in fluidized bed oxy-fuel combustion* 2013 Fuel Processing Technology 587-594