

Wojciech Budzianowski Consulting Services

From the Selected Works of Wojciech Budzianowski

2018

Call for abstracts - RESRB 2018, June 18-20, Brussels, Belgium

Wojciech M. Budzianowski, *Wojciech Budzianowski Consulting Services*



Available at: https://works.bepress.com/wojciech_budzianowski/97/

3rd Conference



Renewable Energy Sources - Research and Business (RESRB) 2018

Venue

Brussels, Belgium

Date

18-20 June 2018

CALL FOR ABSTRACTS

Invitation

The Conference Chairs, International Scientific Committee and Scientific Advisory Board cordially invite you to communicate your recent research, share your expertise or facilitate your business at RESRB 2018.

Scope

The **Renewable Energy Sources - Research and Business (RESRB) 2018** conference is designed as a platform for reporting, discussing, improving and disseminating recent developments in renewable energy science, technology, business and policy. Participants from various organisations such as universities, institutes, NGOs, associations, industries etc. are invited. It is an international event with ambitions to share leading research expertise and facilitate business development and thus to be one of the most influential renewable energy knowledge transfer channels. The conference is a must for research groups at the cutting edge of renewable energy science, technology, policy and business development. The conference will facilitate synergies between academia and commercial sectors. Delegates from enterprises seeking innovations and expanding to new markets may benefit from sponsoring, exhibiting and networking thus improving their business environment. RESRB 2018 is particularly focused on developed and developing countries applying green growth policies and plays the role in informing policymaking processes. The participation mode can be either in-person or virtual. Digital conference Proceedings will be made available to all participants including abstracts and contact details of all accepted contributions. Submitted full manuscripts will be internally reviewed by RESRB international referees and review outcomes communicated to authors for facilitated publication in leading international journals and edited books.

Themes

The **3rd RESRB 2018** conference focuses on five key renewable energy areas: (1) bioenergy, (2) wind, (3) solar, (4) hydro and their (5) business development.

The special theme for 3rd RESRB 2018 is:

- Sustainable Production and Use of New Energy Carriers from Renewable Sources

Other main themes for 3rd RESRB 2018 are:

- Renewable Energy Harvesting Technologies
- Renewable Energy Economics, Policy and Management
- Renewable Energy Business Development
- Intelligent Distributed Energy Systems and District Integration
- Energy Storage
- Bioenergy

Additional RESRB themes include:

- Solar photovoltaics
- Wind
- Hydro
- Solar thermal
- Concentrated solar power
- Geothermal energy

- Wave, tide and other marine energies
- Biofuels
- Renewable heating and cooling
- Renewables in transport
- Renewables in buildings
- Agricultural and land use issues
- Biomass production
- Agronomy
- Biorefineries
- Renewables in industrial symbiosis
- Energy systems
- Road maps
- Hydrogen and fuel cells
- Power system, power electronics, smart grid
- Technologies involving renewable energy: e.g. food drying, irrigation, desalination
- Software tools
- Environmental impact
- Life cycle assessment
- Decarbonisation and synergies with fossil fuels
- Sustainability
- Standards
- Infrastructure
- Materials
- Resources
- Power system, power electronics, smart grid
- Micro scale renewables
- Power grids, requirements, international connections
- Grid stability, power generation flexibility
- Electric vehicles
- Energy storage
- Renewables in developed, developing and underdeveloped countries
- Business models and strategies
- Planning
- Renewable energy policy
- Renewable energy economics
- Renewable energy business development
- Innovations, intellectual property rights
- Financing, project finance and management
- Accounting
- Venture capital, entrepreneurial finance, corporate finance
- Intellectual property, start-ups, licensing
- Merger and acquisitions, capital markets, outsourcing, consumer behaviour
- Incentives, legislation
- Energy markets
- Risks and risk management
- Costs and revenues
- Legislative and ethical considerations for research, business and policy interactions
- Societal issues, consumer access, social benefits
- Organisations
- Other topics of critical importance for the development of renewable energy science, technology, policy and business

International Scientific Committee (ISC)

Wojciech Budzianowski - Co-Chair (Wojciech Budzianowski Consulting Services, Wrocław, Poland)

Francesco Contino - Co-Chair (Vrije Universiteit Brussel, Brussels, Belgium)

Alessandro Parente - Co-Chair (Université Libre de Bruxelles, Brussels, Belgium)

Wei-Hsin Chen (National Cheng Kung University, Tainan, Taiwan)

József Popp (University of Debrecen, Debrecen, Hungary)

Abdellatif Zerga (Pan African University, Tlemcen, Algeria)

Scientific Advisory Board (SAB)

Nicolas Abatzoglou (Université de Sherbrooke, Sherbrooke, Canada)

Hafez Abdo (Nottingham Business School, Nottingham, UK)

Saleh Abujarad (Universiti Teknologi Malaysia, Johor Baharu, Malaysia)

Mustafa Acaroğlu (Selçuk University, Konya, Turkey)

Frank Adam (University of Rostock, Rostock, Germany)

Masoud Aghajani (Petroleum University of Technology, Ahwaz, Iran)

Ali Al-Waeli (The National University of Malaysia, Seri Kembangan, Malaysia)

Sofiane Amara (Université Abou Bekr Belkaid, Tlemcen, Algeria)

Oluwamayowa O. Amusat (University College London, London, UK)

Venkata R. Ancha (Jimma University, Jimma, Ethiopia)

Sudá de Andrade (Federal University of Rio de Janeiro, Rio de Janeiro, Brazil)
Ahmed Aly (Aarhus University, Roskilde, Denmark)
Rafael de Arce (Universidad Autónoma de Madrid, Madrid, Spain)
Akram Avami (Sharif University of Technology, Tehran, Iran)
Adrián Mota Babiloni (Jaume I University, Castelló de la Plana, Spain)
Nagaraj Banapurmath (KLE Technological University, Vidyanagar, India)
Alireaz Banisharif (Petroleum University of Technology, Ahwaz, Iran)
Róbert Barthos (Institute of Materials and Environmental Chemistry, Hungarian Academy of Sciences, Budapest, Hungary)
Andrea Bassi (KnowlEdge Srl, Rome, Italy)
Belkacem Belabes (Centre de Développement des Energies Renouvelables (CDER), Algiers, Algeria)
Mohamed Sélmene Ben Yahia (Tunis-El Manar University, Tunis, Tunisia)
Naima Benbouza (University Kasdi Merbah, Ouargla, Algeria)
Mohamed Benchagra (University Hassan 1, Khouribga, Morocco)
Asfaw Beyene (San Diego State University, San Diego, USA)
Shailendra Singh Bhadauria (National Institute of Technology, Jalandhar, India)
Abdul Rauf Bhatti (Government College University Faisalabad, Faisalabad, Pakistan)
Andrzej Białowiec (Wrocław University of Environmental and Life Sciences, Wrocław, Poland)
Melike Bildirici (Yildiz Technical University, Istanbul, Turkey)
Faik Bilgili (Erciyes University, Kayseri, Turkey)
Hasan Huseyin Bilgic (Iskenderun Technical University, Iskenderun, Turkey)
Nicu Bizon (University of Pitesti, Pitesti, Romania)
Juris Blūms (Riga Technical University, Riga, Latvia)
Antonio Bogado (Federal University of Rio de Janeiro, Rio de Janeiro, Brazil)
Mohammed Bou-Rabee (College of Technological Studies Kuwait, Surra, Kuwait)
Amine Boudghene Stambouli (University of Sciences and Technology of Oran, Oran, Algeria)
Kestutis Buinevicius (Kaunas University of Technology, Kaunas, Lithuania)
Melda O. Çarpınlioğlu (University of Gaziantep, Gaziantep, Turkey)
Foued Chabane (University of Biskra, Biskra, Algeria)
Ricardo Chacartegui (University of Seville, Seville, Spain)
Luís Dias Carlos (University of Aveiro, Aveiro, Portugal)
Bin Chen (Beijing Normal University, Beijing, China)
Gianfranco Chicco (Politecnico di Torino, Torino, Italy)
Lackson Chisanu (University of Malawi, Zomba, Malawi)
Isaac Chitedze (Mzuzu University, Mzuzu, Malawi)
Tai-Shung Neal Chung (National University of Singapore, Singapore City, Singapore)
Frans Coenen (University of Twente, Enschede, The Netherlands)
Caglar Conker (Iskenderun Technical University, Iskenderun, Turkey)
Sandra Correia (University of Aveiro, Aveiro, Portugal)
Youssef Dabaki (University of Tunis, Tunis, Tunisia)
Yulin Deng (Georgia Institute of Technology, Atlanta, USA)
Zaynah Dhunny (University of Maritius, Mauritius, Mauritius)
Nadjib Drouiche (Centre de Recherche en Technologie des Semi-conducteurs pour l'Energétique (CRTSE), Algiers, Algeria)
Magdalena Dudek (AGH, Kraków, Poland)
Arkadiusz Dyjakon (Wrocław University of Environmental and Life Sciences, Wrocław, Poland)
El Mehdi El Khattabi (University Sidi Mohamed ben Abdellah, Fez, Morocco)
José María Encinar (Extremadura University, Badajoz, Spain)
Maohong Fan (University of Wyoming, Laramie, USA)
Mustapha Faraji (Hassan II University, Casablanca, Morocco)
Yee-Chang Feng (BSME of National Cheng Kung University, Tainan, Taiwan)
Mario Luigi Ferrari (University of Genoa, Genoa, Italy)
Marco Ferrarotti (Université Libre de Bruxelles, Brussels, Belgium)
Mirko Filippini (University of Perugia, Perugia, Italy)

Risto Filkoski (University Ss Cyril and Methodius, Skopje, Macedonia)
Maria B. Forleo (University of Molise, Campobasso, Italy)
Jagruti Gandhi (Texas A&M University, College Station, USA)
Fausto Pedro Garcia Marquez (University Castilla La Mancha, Ciudad Real, Spain)
Marla T.B. Geller (Federal University of Western Pará, Santarém, Brazil)
M. Serdar Genç (Erciyes University, Talas, Turkey)
Simone Giorgetti (Université Libre de Bruxelles, Brussels, Belgium)
Celina Gonzalez (Universidad Politécnica de Madrid, Madrid, Spain)
Juan Félix González (Extremadura University, Badajoz, Spain)
Belkacem Gouasmi (University of Blida, Blida, Algeria)
Inmaculada Guaita-Pradas (Polytechnic University of València, València, Spain)
Arvi Hamburg (Tallinn University of Technology, Tallinn, Estonia)
Hafida Hanine (University of Sultan Moulay Slimane, Beni Mellal, Morocco)
Patrick Hendrick (Université Libre de Bruxelles, Brussels, Belgium)
Arif Hepbasli (Yaşar University, Izmir, Turkey)
Nadia Hidar (Cadi Ayyad University, Marrakesh, Morocco)
Hikmat S. Hilal (An-Najah National University, Nablus, Palestine)
Rainer Hinrichs-Rahlwes (European Renewable Energies Federation, Brussels, Belgium)
Ioan Cristian Hoarcă (National R&D Institute for Cryogenics and Isotopic Technologies (ICIT), Rm. Valcea, Romania)
Michel Huart (Université Libre de Bruxelles, Brussels, Belgium)
K.S. Hui (University of East Anglia, Norwich, UK)
Masayuki Ichinose (Tokyo Metropolitan University, Tokyo, Japan)
Ali Idlimam (Cadi Ayyad University, Marrakesh, Morocco)
Ioana Ionel (Universitatea Politehnica Timisoara, Timisoara, Romania)
Dejan Ivezić (University of Belgrade, Belgrade, Serbia)
Thorsten Jänisch (Fraunhofer ICT, Pfinztal, Germany)
Sonia Jerez (University of Murcia, Murcia, Spain)
Hervé Jeanmart (Université Catholique de Louvain, Louvain-la-Neuve, Belgium)
Titilayo Jinadu (World Hope Foundation, Abeokuta, Nigeria)
Ana Jung (Physee, Delft, Netherlands)
Abbes Kaabi (University of Tunis, Tunis, Tunisia)
Kalyan Raj Kaniganti (TKL College of Engineering, Hyderabad, India)
Arunachala M. Kannan (Arizona State University, Mesa, USA)
Azharul Karim (Queensland University of Technology, Queensland, Australia)
Tomaž Katrašnik (University of Ljubljana, Ljubljana, Slovenia)
Dariusz Kardaś (Institute of Fluid Flow Machinery Polish Academy of Sciences, Gdańsk, Poland)
Hlalefang Khobai (Nelson Mandela Metropolitan University, Port Elizabeth, South Africa)
Fydess Khundi-Mkomba (University of Rwanda, Kigali, Rwanda)
Jacek Kluska (Institute of Fluid Flow Machinery Polish Academy of Sciences, Gdańsk, Poland)
Sunisa Kongprasit (Thaksin University, Phatthalung, Thailand)
Mounir Kouhila (Cadi Ayyad University, Marrakech, Morocco)
Christophis Koroneos (National Technical University of Athens, Athens, Greece)
Jaroslav Kultán (Bratislava University of Economics, Bratislava, Slovakia)
Jakub Kupecki (Institute of Power Engineering - Research Institute, Warsaw, Poland)
Jarosław Krzywański (Jan Długosz University, Częstochowa, Poland)
Benahmed Lamia (University of Tlemcen, Tlemcen, Algeria)
Hamza Lamsyehe (Higher Normal School, Marrakech, Morocco)
Roman Le Goff Latimier (Ecole Normale Supérieure Rennes, Rennes, France)
Pierre Le Roux (Nelson Mandela Metropolitan University, Port Elizabeth, South Africa)
Philippe Laval-Gilly (University of Lorraine, Nancy, France)
Hai-Wen Li (Kyushu University, Fukuoka, Japan)
Mooktzeng Lim (University of Canterbury, Christchurch, New Zealand)

Ana Lazarevska (Ss Cyril and Methodius University, Skopje, Macedonia)
Mateusz Lisowski (Enetech Sp. z o.o., Kraków, Poland)
Eva Loukogeorgaki (Aristotle University of Thessaloniki, Thessaloniki, Greece)
Fengji LUO (University of Sydney, Sydney, Australia)
Martin Lyambai (Pan African University, Tlemcen, Algeria)
Kimberly Magrini-Bair (National Renewable Energy Laboratory, Golden, USA)
Abdelafattah Mahmoud (University of Liège, Liège, Belgium)
Mostafa Mahrouz (Cadi Ayyad University, Marrakesh, Morocco)
Hasmat Malik (Netaji Subhas Institute of Technology, Delhi, India)
Inmaculada Marqués-Pérez (Polytechnic University of València, Valencia, Spain)
Thibault Martinelle (Université Catholique de Louvain, Louvain, Belgium)
Claudia Masselli (University of Salerno, Salerno, Italy)
Ali Mehmanparast (Cranfield University, Cranfield, UK)
Rui Melício (University of Évora, Évora, Portugal)
Amar Merouani (Mohamed el Bachir el Ibrahimi University, Bordj Bou Arreridj, Algeria)
Antonio Messineo (University of Enna Kore, Enna, Italy)
Ana Milanović Pešić (Serbian Academy of Sciences and Arts, Belgrade, Serbia)
Jarosław Milewski (Warsaw University of Technology, Warsaw, Poland)
Alina A. Minea (Technical University "Gh. Asachi", Iasi, Romania)
Safa Mghazli (Cadi Ayyad University, Marrakesh, Morocco)
Daniela Mladenovska (JSC Macedonian Power Plants, Skopje, Macedonia)
David Moreno Rangel (University of Seville, Seville, Spain)
Cinzia Mortarino (University of Padova, Padova, Italy)
Zineb Mostefaoui (Université Abou Bekr Belkaid, Tlemcen, Algeria)
Omar Mounkachi (Institute of Nanomaterials and Nanotechnology (MAScIR), Rabat, Morocco)
Haytem Moussaoui (Cadi Ayyad University, Marrakesh, Morocco)
Peteeer Muiste (Estonian University of Life Sciences, Tartu, Estonia)
Taib Mustapha (Ecole Supérieur en Genie Electrique et Energetique, Oran, Algeria)
Bouchra Nabil (Cadi Ayyad University, Marrakesh, Morocco)
Irene Nantongo (Pan African University, Tlemcen, Algeria)
Abdul-Sattar Nizami (Center of Excellence in Environmental Studies (CEES), Jeddah, Saudi Arabia)
Ambe J. Njoh (University of South Florida, Tampa, USA)
Cirilo Nolasco-Hipolito (University of Malaysia, Sarawak, Malaysia)
Chukwuemeka Obiakor (Covenant University, Ota, Nigeria)
Michael S. Okundamiya (Ambrose Alli University, Ekpoma, Nigeria)
Judit Oláh (University of Debrecen, Debrecen, Hungary)
Eduardo de Oliveira Fernandes (University of Porto, Porto, Portugal)
Noshin Omar (Vrije Universiteit Brussel, Brussels, Belgium)
Salvador Ordóñez (University of Oviedo, Oviedo, Spain)
Rachida Ouaabou (Cadi Ayyad University, Marrakesh, Morocco)
Ahmet N. Özsezen (Kocaeli University, Izmit, Turkey)
María Pablo-Romero Gil-Delgado (University of Seville, Seville, Spain)
Rodrigo Palacios Saldaña (Monterrey Institute of Technology and Higher Education, Monterrey, Mexico)
Mukesh Pandey (State Technological University of MP, Bhopal, India)
Deepak Pant (Flemish Institute for Technological Research (VITO), Mol, Belgium)
Davide Papurello (Politecnico di Torino, Torino, Italy)
Florentina Paraschiv (NTNU, Trondheim, Norway)
Linnar Pärn (Estonian University of Life Sciences, Tartu, Estonia)
Anélie Pétrissans (University of Lorraine, Vandoeuvre-lès-Nancy, France)
Jan Pieter (Solar Monkey, Delft, Netherlands)
Andreas Poullikkas (Cyprus Energy Regulatory Authority, Nicosia, Cyprus)
Cristina Prieto Ríos (Abengoa, Seville, Spain)

Lydia Rachbauer (Bioenergy 2020+, Graz, Austria)
Bijan Rahmani (Industrial Park of Innovation, Xiangtan, China)
P. Raja (National Institute of Technology, Tiruchirappalli, India)
K. Kalyan Ray (TKR College of Engineering, Hyderabad, India)
Arbo Reino (Tallinn University of Technology, Tallinn, Estonia)
Luis M. Romeo (University of Zaragoza, Zaragoza, Spain)
Marco Rosa-Clot (Koine Multimedia, Pisa, Italy)
Michel Rwema (Pan African University, Tlemcen, Algeria)
Jacinto Sá (Uppsala University, Uppsala, Sweden; Peacock Solar Power, Uppsala, Sweden)
Zafar Said (University of Sharjah, Sharjah, UAE)
Antonio Santos Sánchez (Federal University of Ouro Preto, Ouro Preto, Brazil)
Saqib Sajjad (ADNOC Gas Processing, Abu Dhabi, UAE)
Mohamed Salah (Université de Tunis, Tunis, Tunisia)
Mohammad Salim Zahangir (University of Padova, Padova, Italy)
Tine Seljak (University of Ljubljana, Ljubljana, Slovenia)
Mohammed M. Shabat (Islamic University of Gaza, Gaza, Palestine)
Muhammad Shahzad (King Abdullah University of Science and Technology, Thuwal, Saudi Arabia)
Ram Vinoy Sharma (National Institute of Technology Jamshedpur, Jamshedpur, India)
Ki-Yeol Shin (Yeungnam University, Gyeongbuk, South Korea)
Pierluigi Siano (University of Salerno, Salerno, Italy)
Jean Paul Sibomana (Pan African University, Tlemcen, Algeria)
Mikhail Simonov (Istituto Superiore Mario Boella, Turin, Italy)
Bhaskar Singh (Central University of Jharkhand, Ranchi-Jharkhand, India)
Sunil K. Singal (Indian Institute of Technology Roorkee, Roorkee, India)
Saeed Solaymani (Arak University, Arak, Iran)
Vipan Kumar Sohpal (Beant College of Engineering & Technology, Gurdaspur, India)
Michael Sony (Namibia University of Science and Technology, Windhoek, Namibia)
José Fernandes De Sousa (Universidade Federal do Tocantins, Palmas, Brazil)
K.J. Sreekanth (Kuwait Institute for Scientific Research (KISR), Safat, Kuwait)
Aryasomayajula Subrahmanyam (Indian Institute of Technology Madras, Chennai, India)
Maciej Świerczynski (Aalborg University, Aalborg, Denmark)
M. Reza Tabar (University of Oldenburg, Oldenburg, Germany)
Fouzi Tabet (DBFZ, Leipzig, Germany)
Mohamed Tawfik (Cranfield University, Cranfield, UK)
Stella Tsani (Athens University of Economics and Business, Athens, Greece)
Panagiotis Tsiakaras (University of Thessaly, Thessaly, Greece)
Dimitra G. Vagiona (Aristotle University of Thessaloniki, Thessaloniki, Greece)
Amir Valibeygi (University of California, San Diego, USA)
François Vallée (University of Mons, Mons, Belgium)
Stefan P.P. Vanbeveren (University of Antwerp, Antwerp, Belgium)
Gennady Varlamov (National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Kyiv, Ukraine)
Alberto Varone (CRS4, Sardinia, Italy)
Gláucia E.G. Vieira (Federal University of Tocantins, Palmas, Brazil)
Tadeusz Uhl (AGH, Kraków, Poland)
Magdalena Walczak (Pontificia Universidad Católica de Chile, Santiago, Chile)
Bingqing Wei (University of Delaware, Newark, USA)
Sebastian Werle (Silesian University of Technology, Gliwice, Poland)
Jun Xu (Nanjing University, Nanjing, China)
Hakan Yavuz (Çukurova University, Adana, Turkey)
Timothy M. Young (The University of Tennessee, Knoxville, USA)
Talal Yusaf (University of Southern Queensland, Toowoomba, Australia)
Sebastian Zapata Ramirez (Universidad Nacional de Colombia, Colombia)

Ahmed Zobaa (Brunel University London, London, UK)

Organising Committee

Wojciech Budzianowski - Co-Chair

Francesco Contino - Co-Chair

Alessandro Parente - Co-Chair

Conference founder

Wojciech Budzianowski

Executive organiser

Wojciech Budzianowski Consulting Services

Poleska 11/37, 51-354 Wrocław, Poland

email: wojciech1@budzianowski.eu

tel.: +48 792781784

website: <http://budzianowski.eu>

NIP - 8981349426

REGON - 367440022



Patrons

Combustion and Robust Optimization (BURN) Joint Research Group, burn-research.be, Brussels, Belgium



Renewable Energy and Sustainable Development (RESD) Group, Wrocław, Poland



Website

<http://resrb.budzianowski.eu>

Conference structure

The conference structure consists of plenary lectures, keynote lectures, oral lectures, and short communications. In addition, a brainstorming activity and awards for best presenters are envisaged.

Publications

(1) Abstracts in digital Proceedings

All abstracts of conference participants will be published on the peer-reviewed **digital Proceedings**. The maximum length of the abstract is 1 page. Proceedings will be published on-line in open-access with an ISBN number.

Peer-review procedure: (i) a minimum of two independent experts review all submissions, (ii) final abstracts must be approved by two experts and editors.

Editors of Proceedings: Budzianowski W.M., Contino F., Parente A.

(2) Articles in journals

Full articles associated with contributions presented at the RESRB conference will be facilitated for publication in **journals**. Conference internal reviewers will advise authors on how to improve the manuscripts and suggest journals suitable for publication. Editors associated with RESRB will invite selected manuscripts to journals. Authors will make decisions regarding selection of a journal suitable for publication. Final revised articles submitted to journals by the authors will undergo peer-review procedures consistent with journals' standards. Typically, at least two independent journals' reviewers will have to approve the final manuscripts.

In addition some journals will offer special issues or invite/accept regular submissions for selected RESRB full papers. The publication process will be supported by conference editors and reviewers. Journals will include e.g.:

- Journal of Power Technologies (Web of Science indexed, unofficial impact factor 1.1),
- Journal of Renewable Energy Sources - Technology, Business and Policy (new journal associated with RESRB conference topics),
- Energies (impact factor 2.262, Special Issue "Production and Utilization of Biogas", Guest Editor Wojciech Budzianowski;
http://www.mdpi.com/journal/energies/special_issues/Production_and_Utilization_of_Biogas),
- Energies (impact factor 2.262, Special Issue, Guest Editor Alessandro Parente);
- Journal of Sustainable Solutions and Innovation Management (new journal associated with SSG conference topics), etc.

Other leading thematic journals will be continuously involved.

Full papers from RESRB 2016 and RESRB 2017 were published in leading journals such as Renewable Energy, Renewable and Sustainable Energy Reviews, Biofuels, Energy Conversion and Management and many others,

(3) Chapters in edited books

Full articles associated with contributions presented at the RESRB conference will be facilitated for publication in **edited books**. Conference reviewers will advise authors on how to improve the manuscripts. Book Editors will invite selected manuscripts. Authors will select an edited book for publication. Peer review procedure for edited books: two independent reviewers must approve manuscripts. The conference will support the creation of edited books relevant to conference themes.

(4) Book

In case a full material associated with the contribution presented at the RESRB conference can be extended to a book size (40-300 standard pages) it may be facilitated for publication as a **book** (a monograph). Conference reviewers and the professional book editorial team at Wojciech Budzianowski Consulting Services will assist authors in meeting standards and market requirements for book publication. Authors interested to publish their extended material in a book format need to first contact wojciech1@budzianowski.eu to discuss publication process details, costs and potential benefits for the parties. In general books can be published in a standard model or in open access model by large book publishers or by Wojciech Budzianowski Consulting Services with ISBN. Book authors usually will be offered a contract and depending on the scope of the work required for book publication and publication model it may include a remuneration for book authors. Review procedure for books: independent reviewers are involved in the entire publication process.

Acknowledgments

When submitting your full conference paper to journals/edited books please acknowledge the conference presentation as follows:

The work has been presented at the 3rd Renewable Energy Sources - Research and Business (RESRB) conference held on 18-20 June 2018 in Brussels (Belgium).

Oral lecture requirements

Please prepare a presentation for your oral lecture in power point or similar software with additional conversion to pdf. Your oral lecture will take 15 minutes + 5 minutes discussion.

Short communication/virtual short communication requirements

Please prepare your short communication/virtual short communication in a power point or pdf format. You will show your short communication to the audience during the conference short communication session (5 minutes + 3 minutes discussion). The virtual short communication of virtual participants will be presented by a Committee member or by using your video.

Short communication/virtual short communication format:

1 page short communication title page with authors,
0-2 pages CV of the corresponding author with a photograph including his/her research in renewable energy (virtual short communications only), this should clarify your expertise in the researched field,
2-5 pages main research results in the form of figures, photographs, schemes etc. (each item is clearly described by one sentence), if text is essential use very short bullet points,
1 page conclusion in short bullet points.

Please make sure that your virtual short communication is sufficiently comprehensive that it can be presented to the audience by someone who did not participate in your research and that the audience will understand the main points. Use comprehensive figures and short bullet points. Focus on your novel findings. Avoid too much text. Research goals, conclusions and originality must be particularly clear. In conclusions emphasise one key message you wish to communicate to the conference academic and/or business audiences that was formulated based on your research.

Virtual short communication in video format:

Alternatively virtual short communication may be prepared in a video format (5 minutes). The video may simply include your presentation and your comments. The preferred format is mp4 HD. The video will be displayed to the audience during the short communication session.

Send your virtual short communication at least 1 month prior the conference to:

wojciech1@budzianowski.eu

Business participation at RESRB

Business participants may sponsor or exhibit at RESRB and additionally:

- launch novel products and highlight existing ones,
- enhance company sales and educate the market,
- spotlight key executives,
- increase brand awareness and position the organisation in the renewable energy community,
- elevate visibility of the company in focused markets,
- benefit from interaction with a highly qualified scientific community,
- network with experts and form new alliances with national and international clients,
- have access to new knowledge and attract new innovations to the company,
- build business relationships for the future.

For participants seeking academia-business interactions the organisational structure of RESRB will provide relevant opportunities. Start-ups and other knowledge and innovation driven enterprises are particularly welcome at RESRB.

Sponsorship and exhibition

Various forms of sponsorship are available. An exhibition will run alongside the conference sessions. Companies may advertise either physically at the conference or electronically exploiting dedicated solutions. These services are offered on a first-come, first-served basis. To discuss your requirements or to book sponsorship or exhibit space please contact the Executive Organiser at email:

wojciech1@budzianowski.eu; or tel.: +48 792781784.

Important dates

| | |
|--|-------------------|
| Abstract due (extended) | June 7, 2018 |
| Abstract acceptance decision | up to 7 days |
| Fee payment (extended) | June 8, 2018 |
| Early bird fee payment | February 28, 2018 |
| Digital conference Proceedings available | June 18, 2018 |
| Conference | June 18-20, 2018 |
| Full manuscript due | December 31, 2018 |
| Internal review outcomes sent to authors | February 28, 2019 |
| Final article submission | April 30, 2019 |

Conference fees

| | |
|---|-----------------|
| Participation in-person (all days) | €490 |
| Participation in-person (PhD/MSc student) (all days) | €450 |
| Participation in-person (early bird payment by February 28, 2018) (all days) | €450 |
| Participation in-person (PhD/MSc student) (early bird payment by February 28, 2018) (all days) | €410 |
| Participation in-person (1 day) | €350 |
| Participation in-person with presentation and without article | €350 |
| Accompanying person | €300 |
| Virtual participation | €220 |
| Additional submission #2, #3, etc. | €130 |

For payments in USD and PLN use the following exchange rates 1 EUR = 1.17 USD = 4.31 PLN.

Payment instructions

Please pay the conference fee to:

Bank account:

Wojciech Budzianowski Consulting Services

Alior Bank SA Łopuszańska 38 D 02-232 Warszawa

BIC (SWIFT) - ALBPPL PW

No. (IBAN) PL18249010570000990275291419 (payment in EUR)

No. (IBAN) PL71249010570000990175291419 (USD)

No. (IBAN) PL89249000050000410098926265 (PLN)

Payment costs - use option OUR - all transfer costs paid by the payee.

Please add the statement: Conference fee RESRB, Lastname Firstname.

Please send the payment confirmation to wojciech1@budzianowski.eu

For other payment modes, e.g. in cash - please contact wojciech1@budzianowski.eu

Cancellation policy

If you find it necessary to cancel your participation, exhibition or sponsorship, please email the conference organiser immediately via email: wojciech1@budzianowski.eu. In addition, please send written notice in paper by normal post to the conference organiser address. Cancellation more than 91 days prior to the first open day of the conference - 50% of the total charge as a cancellation fee provided that written notice in paper is received by the organising committee. Cancellation 91 days or less prior to the first open day of the conference - 100% of the total charge as a cancellation fee.

In-person participation

In-person participation is when an attendee is physically present at the conference. For in-person participants the conference fee includes the following services: (i) peer review of abstracts for Proceedings, (ii) abstract publication on the digital conference Proceedings, (iii) presentation at the conference (the first submission is oral, additional submissions are usually short communications), (iv) internal peer review of full manuscript, (v) social programme, (vi) coffee, drinks, meals etc.

Virtual participation

Virtual participation is when an attendee is unable or unwilling to take part in-person in the conference and his/her short communication is presented to the audience during dedicated sessions. For virtual participants a conference fee includes the following services: (i) peer review of abstracts for Proceedings, (ii) abstract publication on the digital conference Proceedings, (iii) presentation of slides at the conference by conference presenter, (iv) internal peer review of full manuscript. Virtual authors are encouraged to submit video presentations. Virtual participation is specifically designed to facilitate the involvement of participants from developing countries for which renewable energy is important for achieving sustainable economic development and eradicate poverty.

Special fee reduction programme

This conference facilitates participation of researchers from developing countries and/or temporarily without access to institutional funding under a special fee reduction programme. Download details of this programme from the section for Reviewers in the conference website.

Registration

Register online at <http://resrb.budzianowski.eu> or send your registration file to wojciech1@budzianowski.eu. In case any registration detail change, please re-register, so your registration will be updated.

Participant's steps in brief

- 1) Submit your **abstract** to wojciech1@budzianowski.eu (use abstract template from the website)
- 2) Register at RESRB 2018 - either register online at <http://resrb.budzianowski.eu> or send your **registration file** to wojciech1@budzianowski.eu
- 3) Participants requiring an **acceptance letter** or any other confirmations need to request them from wojciech1@budzianowski.eu
- 4) **Pay your fee** indicated during the registration, make sure you meet the deadline for fee payment/early bird fee payment indicated in Important dates in Call for Abstracts
- 5) In-person participants requiring a visa need to contact the organisers for a **visa letter** at wojciech1@budzianowski.eu
- 6) As an in-person participant you will present your **oral lecture** and **short communication(s)** at the conference to the audience according to the Programme
- 7) If you are a virtual participant please submit your **slides** or **video** to wojciech1@budzianowski.eu (at least one month prior to the conference)
- 8) Submit your **full manuscript** to wojciech1@budzianowski.eu
- 9) Upon receiving internal reviewers' comments **revise** your full manuscript accordingly
- 10) Submit your **revised full manuscript** for publication to suitable journals, edited books or as a book

Ethical considerations

This conference is a platform aimed at raising academic quality of science and linking the different types of participants (e.g. research, business and policy) with consideration of ethical standards to the highest possible extent. The conference seeks only original contributions. Internal review processes for abstracts and full manuscripts aim at fair evaluation of professional quality. The criteria of quality include among others: originality, conciseness, profundity, societal impact, relevance to the conference subject. Conference contributions are judged only on merits without regard to authors' race, gender, seniority, nationality, affiliation or political views. The internal review process is single blind and confidential. All ethical issues regarding any conference contribution such as plagiarism, conflict of interests, errors or violation of intellectual property rights should be immediately reported and such contributions will be excluded from the conference. Please report all important ethical issues directly to wojciech1@budzianowski.eu.

Venue

Université Libre de Bruxelles (ULB), Solbosch Campus, Building K
Avenue F.D. Roosevelt 42, B-1050 Brussels, Belgium

Logistics

The Brussels airport (Zaventem) is well connected with all major European and international airports. From the airport you may reach the venue by train (B-rail to Etterbeek station), city buses (De Lijn, MIVB/STIB +tram, metro), car, bike and taxi.

Accommodation

Accommodation is booked by participants. Hotel booking can be arranged by hotels' websites or services such as HRS.com (<http://www.hrs.com>), Hotels.com (<http://www.hotels.com>) or Booking.com (<http://www.booking.com>). More detailed hotel information (including pricing and contact details) is available on your request. On special request accommodation booking can be arranged by the organiser on behalf of participants (please contact wojciech1@budzianowski.eu for details).

Programme

| Monday 18 June 2018 | |
|---------------------|--|
| 08.00-09.00 | Registration (Hall) |
| 09.00-09.10 | Opening session (Room A) |
| 09.10-09.55 | Plenary lecture 1 (Room A) Renewable energy perspectives for Europe - from champion to laggard? Rainer Hinrichs-Rahlwes* <small>*speaking author at European Renewable Energies Federation, Brussels, Belgium</small> |
| 09.55-10.20 | Coffee break (Hall) |
| 10.20-10.50 | Keynote lecture 1 (Room A) Suppressing dendritic Lithium formation in Lithium metal batteries Bingqing Wei* <small>*speaking author at Delaware University, Newark, USA</small> |
| 10.20-10.50 | Keynote lecture 2 (Room B) |
| 10.50-11.20 | Keynote lecture 3 (Room A) Upgrading biomass pyrolysis vapors to hydrocarbon fuels Kim Magrini*, Mark Jarvis, Jess Olstad, Yves Parent, Steven Deutch, Kristiina Iisa <small>*speaking author at National Renewable Energy Laboratory, Golden, USA</small> |
| 10.50-11.20 | Keynote lecture 4 (Room B) |
| 11.20-12.30 | Lunch break (Restaurant) |
| 12.30-14.30 | Oral lecture session 1 (Room A) Different organic waste torrefaction into high-quality solid fuels - the influence of temperature, and residence time Andrzej Białowiec, Barbara Kałdun, Hanna Moskal, Jarosław Wróbel The impact of extra long-term storage of harvesting residues on the fuel quality in Estonian conditions - a case study Peeter Muiste, Linnar Pärn, Allar Padari |
| 12.30-14.30 | Oral lecture session 2 (Room B) The business case for a utility scale solar CSP integration in the oil & gas industry for steam generation Saqib Sajjad Large area luminescent solar concentrators for flexible waveguiding photovoltaics Sandra F. H. Correia, Ana R. Frias, Lianshe Fu, Edison Pecoraro, Sidney J. L. Ribeiro, Paulo S. André, Rute A. S. Ferreira, Luís D. Carlos |
| 14.30-15.00 | Coffee break (Hall) |
| 15.00-17.00 | Oral lecture session 3 (Room A) Energy generation and accumulation by fully integrated human motion energy harvester Juris Blums, Ilgvars Gornevs, Vilnis Jurkans |
| 15.00-17.00 | Oral lecture session 4 (Room B) Opportunities and challenges of renewable energy business in developing countries Wojciech Budzianowski |

| | |
|-----------------------------|--|
| 17.00-17.45 | ISC and SAB meeting (Room A) |
| 17.45-18.00 | Editorial Board of Journal of Renewable Energy Sources - Technology, Business and Policy meeting (Room A) |
| Tuesday 19 June 2018 | |
| 08.45-09.00 | Registration (Hall) |
| 09.00-09.45 | Plenary lecture 2 (Room A) Electricity storage: The solutions, challenges and opportunities in Belgium Patrick Hendrick* <small>*speaking author at Université Libre de Bruxelles, Brussels, Belgium</small> |
| 09.45-10.10 | Coffee break (Hall) |
| 10.10-10.40 | Keynote lecture 5 (Room A) Synthesis gas and hydrogen production from renewable resources through dry and steam reforming of methane with a newly patented catalyst derived from a negative value mining residue spinellized with nickel Mostafa Chamoumi, Nicolas Abatzoglou* <small>*speaking author at Université de Sherbrooke, Sherbrooke, Canada</small> |
| 10.10-10.40 | Keynote lecture 6 (Room B) A modular TLP-design for offshore wind turbines Frank Adam*, Daniel Walia, Hauke Hartmann, Paul Schünemann, Uwe Ritschel <small>*speaking author at University of Rostock, Rostock, Germany</small> |
| 10.40-11.10 | Keynote lecture 7 (Room A) Enhancement of the efficiency of the biogas process by the separation of during the process formed fatty acids Thorsten Jänisch* <small>*speaking author at Fraunhofer ICT, Pfinztal, Germany</small> |
| 10.40-11.10 | Keynote lecture 8 (Room B) Achieving negative carbon emissions by using small- and large-scale gas turbines: bioenergy with carbon capture and sequestration Simone Giorgetti*, Ward De Paepe, Laurent Bricteux, Francesco Contino, Alessandro Parente <small>*speaking author at Université Libre de Bruxelles, Brussels, Belgium</small> |
| 11.10-12.30 | Lunch break (Restaurant) |
| 12.30-14.30 | Oral lecture session 5 (Room A) Turning an energy consumer into an energy producer by using own organic waste Ioana Ionel, Mihai R. Wächter, Adrian E. Cioabla, Adriana R. Wächter A review on the mechanised harvesting of short-rotation coppice Stefan P.P. Vanbeveren, Raffaele Spinelli, Mark Eisenbies, Janine Schweier, Blas Mola-Yudego, Natascia Magagnotti, Mauricio Acuna, Ioannis Dimitriou, Reinhart Ceulemans Possibilities for introduction of Bioenergy Village concept - a case study of Serbia Dejan Ivezić, Miodrag Gluščević, Slobodan Jerotić |
| 12.30-14.30 | Oral lecture session 6 (Room B) Integration of Floating PV plants to hydroelectric basins Marco Rosa-Clot Electric cars compared to ultra-light electric vehicles and global warming Alex Van den Bossche |
| 14.30-15.00 | Coffee break (Hall) |
| 15.00-16.00 | Short communication session 1 (Room A) |
| 16.00-17.00 | Panel discussion: Commercialisation of innovative renewable energy technologies (Room A) |

| Wednesday 20 June 2018 | |
|-------------------------------|--|
| 08.45-09.00 | Registration (Hall) |
| 09.00-09.45 | Plenary lecture 3 (Room A) Advanced characterization of unconventional biomass fuels for ash related issues Hervé Jeanmart* <small>*speaking author at Université Catholique de Louvain, Louvain-la-Neuve, Belgium</small> |
| 09.45-10.10 | Coffee break (Hall) |
| 10.10-10.40 | Keynote lecture 9 (Room A) Global solar PV technologies, markets and opportunities Michel Huart* <small>*speaking author at University of Brussels and APERe asbl, Brussels, Belgium</small> |
| 10.10-10.40 | Keynote lecture 10 (Room B) Drying characteristics and kinetics of solar drying of stevia leaves Nadia Hidar*, Lamyae Lahnine, Safa Mghazli, Ali Idlimam, Abderrahim Jaouad, Mohamed Bouchdoug, Mostafa Mahrouz* <small>*speaking authors at Cadi Ayyad University, Marrakesh, Morocco</small> |
| 10.40-11.10 | Keynote lecture 11 (Room A) Wave energy, importance of control and power capture performance improvements Hakan Yavuz* <small>*speaking author at Çukurova University, Adana, Turkey</small> |
| 10.40-11.10 | Keynote lecture 12 (Room B) Bioelectrochemical systems: The new paradigm for energy recovery and chemical production Deepak Pant* <small>*speaking author at Flemish Institute for Technological Research (VITO), Mol, Belgium</small> |
| 11.10-12.30 | Lunch break (Restaurant) |
| 12.30-14.00 | Oral lecture session 7 (Room A) Active tuning based fuzzy logic control of a heaving wave energy converter in irregular seas Hakan Yavuz, Alper Burgac, Hurrem Akbiyik A new approach to motion control of flexible and lightweight systems for Low electricity consumption applications Caglar Conker, Hakan Yavuz Operation of DFIG as reactive power source for voltage control of SEIG during varying wind speeds and its effect on stability of distribution system K. Kalyan Raj, R. Srinivasa Rao Combustion performance and compatibility assessment of various residual fuels in microturbine engine Tine Seljak, Tomaž Kutrašnik |
| 12.30-14.00 | Oral lecture session 8 (Room B) Closer look on the barriers to large-scale renewables in Tanzania Ahmed Aly An extended diffusion model applied to competition between renewables and alternative energies Claudia Furlan, Cinzia Mortarino, Mohammad Salim Zahangir Some factors affecting the electrochemical performances on the high temperature of the perovskite-type oxide LaGaO ₃ for application as a novel anode material for Ni-MH secondary batteries. Abbes Kaabi, Mohamed Tliha, Abdessalam Dhahri, Chokri Khaldi, Jilani Lamloumi |

| | |
|-------------|---|
| | Experimental approach of diffusion coefficient and activation energy by convective solar drying in thin layers of sardine fillets Hamza Lamsyehe, Mounir Kouhila, Hind Mouhani, Ali Ildimam, Abdelkader Lamharrar |
| 14.00-14.30 | Coffee break (Hall) |
| 14.30-16.00 | Short communication session 2 (Room A) Wind turbine installation in Southern Thailand: How safe for locals? Sunisa Kongprasit, Jompob Waewsak |
| 16.00-16.15 | Closing session (Room A) - Award ceremony (1) Best conference oral lecture (2) Best conference oral lecture by student (3) Best conference virtual short communication (4) Best conference lecture related to an innovative solution with commercial potential |

Conference language

English

Future editions of RESRB conference

Please contact conference founder at wojciech1@budzianowski.eu if you are interested to co-organise the 4th RESRB 2019 conference or the 5th RESRB 2020 conference in your country.

Contact details

The organising committee may be contacted by email: wojciech1@budzianowski.eu or by phone +48 792781784.