2nd SPANISH WIND POWER CONGRESS
28 & 29 June 2016

Do you want to speak at the 2nd Spanish Wind Energy Congress?

The **2nd Spanish Wind Power Congress** has established itself as one of the key meeting points for the wind power industry worldwide and the most important one for the Hispanic audience. Based on a programme of political and high-level technical conferences, it will bring together a number of leading national and international energy industry representatives, as well as politicians and other institutions. It is a key meeting to build professional relationships and for business development.

The programme will be divided into two parts: a policy one in which high-level guests will delve into issues such as the new stage of wind in Spain, among others. The second one has a technical approach in which case studies will analyze the challenges and solutions that affect our industry. And the entire sector is invited to participate. How? Through this call for abstracts that will be open until **February 17th**. Based on the proposals received, the technical programme of the Congress will be produced. The Congress will take place in Madrid on June 28th and 29th. Proposals will be accepted in both Spanish and English (simultaneous interpretation will be available throughout the event).

Call for abstracts´ requirements

1. Abstracts shall be in Spanish or English and must include: title, author's name, company´s name (if applicable). They must not exceed 500 words.
2. Abstracts that include case studies and specific examples will be positively valued.
3. Abstracts must be sent by email to eventos@aeeolica.org before the 27th of February 2015
4. More than one abstract per company can be submitted but from different authors.
5. The author accepts full responsibility for any copyright claims that may occur.
6. Abstracts on topics that do not appear on this document will also be accepted. In that case, the author must submit a justification for why it considers it relevant to be included.
7. Authors of the finally selected abstracts, one per abstract, will not pay the conference registration fee.

Assessment criteria and abstracts selection

Abstracts will be assessed by the Technical Committee based on the following criteria:

1. Contribution to the knowledge of the industry
2. Practical application
3. Technical quality and detail of presentation

Technical Committee

The Technical Committee is formed by:

- **AEE**
- **BEPTE**
- **CIEMAT**
- **FUNDACIÓN CIRCE**
- **IDAE**
- **TECNALIA**
- **UNIVERSIDAD CARLOS III**
- **UNIVERSIDAD DE CASTILLA Y LA MANCHA**

Key dates

December 14	Call for abstracts opening
February 17	Call for abstracts ends. Abstracts sent to the Technical Committee
Beginning of March	Technical Committee meeting to assess abstracts. Abstracts are chosen. Programme is produced
March 14	Programme is made public
May 9	Speakers must send their PowerPoint presentations to be checked by the session chairman who could request changes to suit the requirements.
May 23	Speakers must send their final PowerPoint presentations

More information

Should you have any query, please, send an email to eventos@aeeolica.org

Conference topics

1. **Life extension and repowering**

- Technical and economic critical aspects to decide on total or partial repowering of equipment
- Projects and proposals to optimize socio-economic impact. Examples of diversification of activities or spin-offs
- Solutions oriented to environmental improvement
- R&D opportunities for wind farms life extension

2. **Life extension and repowering: equipment and components**

- Diagnosis of the situation of equipment and components
- Criteria to repair components, testing of repaired components
- Improved procedures to replace components
- Certification methods of improvements designed to extend the life of equipment
- Failure prediction and residual life of components
- Advanced repair methods: lower costs, less stops...
- Recycling / Reuse of dismantled equipment and components

3. **O&M: Cost reduction and reliability**

- Analysis of the root causes of failures: fatigue, weather conditions, grid behaviour... Minimization procedures
- Experiences depending on different maintenance
- Real size and scale components testing methods
- Monitoring of wind farms operation: procedures for data processing, big data, condition monitoring.... Case studies
- R&D opportunities in maintenance and to improve wind farms and turbines availability
- Incidents in the foundations. Solutions
- Standardization of the design of components and spare parts supply

4. **Economic efficiency**

- Cost savings in design and manufacturing
- Improvements of the economic efficiency of wind farms operation, impact of the energy reform
- Methods to reduce variable costs without affecting the life of the equipment or losing operational availability

5. **Grid integration**

- Participation of wind power in ancillary markets: experiences with capacity tests and actual operation
- Wind farms control strategies to supply grid services
- Voltage control
- Power/Frequency regulation
- Inertia emulation
- Hybrid solutions involving different technologies
- R&D opportunities in the integration of wind power into grid

6. Offshore wind power

- Adaptation of the wind power and naval domestic supply chain to the offshore wind market: case studies
- Future projects in testing plants
- Improvements in design and development of wind power platforms and anchoring and mooring systems

7. Distributed generation

- Small wind projects linked to self consumption
- Hybrid systems: wind-photovoltaic, wind-diesel, the use of batteries...
- Expert systems for small producers

8. Resource, prediction and tools

- Reliable resource evaluation criteria: experiences and improvements
- Mesoscale maps, reliability and validation according to experience
- Prediction Tools: current approach, fewer errors, forecasts in abnormal situations
- Addition of equipment to improve productivity: LIDAR, sonic anemometers…

R&D: Case studies

A new topic has been introduced in the call for abstracts on this occasion. In order to have more presentations with high practical content and to enhance technological innovative presentations, the submission of abstracts focused on R & D case studies will be highly appreciated. So, should you wish to participate in this section, your company needs to successfully have participated in public funded R&D projects and that the case study can be presented in public in detail. Applying the same requirements as for sending the rest of proposals, with the only difference being the number of words allowed -800 in this case- you are required to present case studies and detail how the different phases of the process were discussed:

Was it a collaborative project or not?
How were the partners identified?
How was the programme selected?
Was there a lot of administrative burden?
What were the main challenges in bringing the project into practice?
How was coordination among all participants?
What monitoring mechanisms were used?
What results were obtained? Were they the expected ones? Were expectations exceeded? What were the main lessons learned for future projects?