

**EWEA 2016 Annual Conference,
 27-30 September 2016, Hamburg Conference Centre, Hamburg, Germany**

Abstracts submission kit **Science and Research track**

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Conference programme questions?

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PROGRAMME QUESTIONS?

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1. Key dates

February 2016	Call for abstracts topics & deadline published	
2 March 2016	Call for reviewers & session chairs opens (EWEA members only)	
2 March 2016	Abstract submission portal opens	
18 March 2016	Call for reviewers and session chairs closes (managed by EAWE)	
17 April 2016	Call for abstracts closes at 23.00 CET – NB: this deadline will not be extended	
Mid-April to mid-May 2016	Abstract review & programme development	
20 May 2016	Authors notified of results of abstract submission: oral presentation, poster presentation or rejection	
27 May 2016	Presenters to confirm their participation.	
6-19 June 2016	Call for 'breakthrough abstracts' (general and science & research)	
20 June 2016	Deadline: presenters to register to attend (all speakers and poster presenters) Deadline: send updated bio and photo.	
04 July 2016	Authors of 'breakthrough abstracts' notified of results: oral presentation, poster presentation or rejection	
	Speakers: science & research	Poster presenters: science & research
3 July 2016	Deadline: submission of draft presentation & full paper for review by session chair	Deadline: poster submission
13 July 2016	Session chair to feedback on draft presentation	n/a
15 July 2016	Deadline: confirm final presentation title	n/a
22 July 2016	Reviewers to feedback on full paper	n/a
22 July 2016	Deadline: submission of draft 'breakthrough' presentation and draft full paper	Deadline: submission of 'breakthrough' poster
29 July	Reviewers to feedback on 'breakthrough' full papers	
5 August 2016	Deadline: submission of revised full paper based on session chair comments (including Breakthrough presentations)	n/a
12 September 2016	Deadline: submission of final presentation file	n/a
27-29 September 2016	EWEA 2016 Annual Conference CCH - Congress Center Hamburg, Germany	
29 September 2016	n/a	Deadline: submission of full paper (optional)

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2. Topics

The conference sessions at EWEA Annual Conference 2016 will be built around the best abstracts received under the topics listed below. The number of sessions on each topic will be determined by the number and quality of abstracts received. The number of sessions foreseen for each topic will be confirmed at the programme meeting, along with the results of the abstract review process.

The EWEA Annual Conference focus is on applications relevant to the wind energy industry. Basic-research-oriented papers should preferably be directed to the conference “The Science of Making Torque from Wind” (TORQUE 2016), organized under the auspices of the European Academy of Wind Energy (EAWE) (www.torque2016.org). Abstracts can be submitted for TORQUE 2016 until 29 February 2016.

<i>Topic</i>	<i>Including (but not limited to) sub-topics:</i>
Turbine technology <ul style="list-style-type: none"> • <i>General plus science & research</i> abstracts called for • Onshore and offshore 	Innovations in the design of rotors, towers, support structures, foundations Going offshore: problems, challenges, solutions Deep waters and floating wind turbines Improvements and experience with load control and performance enhancement New developments in drive trains and generator technologies Advanced electrical systems Innovative storage and grid integration practices Real-world experiences Big data integration Advances in small turbine design
Resource assessment <ul style="list-style-type: none"> • <i>General plus science & research</i> abstracts called for • Onshore and offshore 	Performance assessment Experience in the exploitation of complex sites and adverse climatic conditions Environmental issues New sensing devices Mesoscale modelling Measurements and wind speed predictions Forecasting Wind atlases Impact of wind energy on global climate The model Chain Real-world experiences Big data Repowering/refurbishing sites resource assessment
Supply chain <ul style="list-style-type: none"> • <i>General plus science & research</i> abstracts called for • Onshore and offshore 	Procurement challenges The development of wind energy hubs Smaller components Aviation lighting and warning systems Installation technologies (including examples from other industries) Supply chain models Global vs local approaches Real-world experiences Big data applications to supply chain management
O&M & logistics <ul style="list-style-type: none"> • <i>General plus science & research</i> abstracts called for • Onshore and offshore 	Future logistics, transport and access Reliability, condition monitoring Operation & maintenance Life extension, re-powering, decommissioning & recycling: real life experiences Insourcing or outsourcing, asset management, decision support, access systems Big data applications to O&M Real-world experiences Operating wind farms in hybrid mode (with storage, with PV, etc.)

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<p>Integrating wind power into the electricity market</p> <ul style="list-style-type: none"> • <i>General plus science & research</i> abstracts called for • Onshore and offshore 	<p>Grid Integration</p> <ul style="list-style-type: none"> • Big data applications for grid integration • Data exchanges with TSO & DSO, and governance arrangements <p>Electrical aspects and the grid</p> <p>Grid support services as additional revenue streams</p> <ul style="list-style-type: none"> • Main barriers and best practices regarding the participation of wind farms in balancing markets and other ancillary services • Storage <p>Market design</p> <ul style="list-style-type: none"> • Priority dispatch and rules for curtailment in times of system stress • Enhancing system flexibility • Long term investment signals (e.g. future of merit order) <p>Regional cooperation (network management, investments coordination, market coupling, offshore grid)</p>
<p>Health & safety</p> <ul style="list-style-type: none"> • <i>General plus science & research</i> abstracts called for • Onshore and offshore 	<p>Safety culture and/or leadership</p> <p>Incidents and lessons learned</p> <p>Best Practices in crisis management</p>
<p>Environmental impacts & social acceptance</p> <ul style="list-style-type: none"> • <i>General plus science & research</i> abstracts called for • Onshore and offshore 	<p>Impact of wind energy on global climate</p> <p>Local impacts</p> <p>Radar</p> <p>Best practices in corporate social responsibility</p> <p>Environmental impact of repowering/refurbishing projects</p>
<p>Finance</p> <ul style="list-style-type: none"> • Only <i>general</i> abstracts called for • Onshore and offshore 	<p>Financing sustainable energy for all</p> <p>Institutional investors</p> <p>Alternative methods of financing including cooperative/community investment</p> <p>The potential for a bond market in funding wind</p> <p>Lending conditions and credit markets</p> <p>Investment barriers</p> <p>Potential for repowering/refurbishing project financing</p>

3. Science & research content of the programme

Science & research content in EWEA 2016 will again be organised in cooperation with the [European Academy of Wind Energy \(EAWE\)](#), a world-leading wind energy academic & research community. The Academy will bring EWEA 2016 delegates leading edge wind energy research results, keeping Europe in the forefront of wind energy innovation. This offers a forum for in-depth presentations and discussions on progress and results of wind-energy related scientific research.

As a change from previous conference programmes, each topic (with the exception of ‘finance’) will have two topic leaders, one from industry and one from the science & research community.

In order to result in coherent sessions and a balanced programme, sessions will include the very best presentations on each specific topic, whether they are from ‘general’ or ‘science & research’ abstracts. The objective is to avoid duplication in the programme with content on a given topic to be found both in sessions in the former ‘technology track’ and at the same time in sessions in the former ‘science & research track’.

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Once the two types of abstract have been reviewed under their respective processes, the two topics leaders will together decide how best to organise the content they have selected in the sessions they have available.

The scope of science & research work that will be selected for presentation should focus on applications relevant to the wind energy industry, including the direct application of R&D results and tools. Basic-research-oriented papers should be directed to the conference “The Science of Making Torque from Wind” ([TORQUE 2016](#)), organized under the auspices of the European Academy of Wind Energy (EAWE).

Science & research abstracts must describe work that has been done at the moment of submission, not work that will be done. The style of writing may be brief and incomplete, as long as the essential steps in the research are clear and convincing. It should contain new work, not yet published and should not describe work presented at other conferences. It should contain a complete reference list that is not included in the word count given on the website.

Science & research full papers of oral presentations will be published in EWEA 2016 Scientific Proceedings that will be made accessible to conference participants, speakers and other interested individuals.

4. Call for ‘breakthrough abstracts’

In response to feedback from members we will hold a call for contributions presenting the very latest findings and breakthroughs that have never been made public before. This was carried out for the first time at EWEA OFFSHORE 2015 and repeated at EWEA 2015.

This call for ‘breakthrough abstracts’ will take place from 6 to 19 June 2016. Both ‘general’ as well as ‘science & research’ submissions are encouraged on all the topics listed above. Submissions will be reviewed according to the same process used for the main abstract review before the summer, with the best being selected for presentation. Breakthrough abstracts not selected for an oral presentation and of sufficient standard will be offered the opportunity to be presented as posters.

4.1. Criteria for selection

Those interested should bear in mind that this should **not** be considered as a ‘second chance’ for those that missed 17 April deadline for the main call for abstracts. Only abstracts that propose to share breakthroughs that would have been impossible to fully submit in April will be considered.

- A breakthrough abstract should present findings that have never been presented before.
- The data should not have been published before the EWEA annual conference.
- The abstract should feature an element of real novelty (i.e. new technology, new methodology, new high-quality data, high-impact results that challenge the status quo/common assumptions and open new perspectives)
- Overtly promotional / commercial presentations will be discarded.

4.2. Pre-submission and integration into regular sessions

Based on the experience gathered at EWEA OFFSHORE 2015 and EWEA 2015, where selected breakthrough abstracts were set aside for a dedicated session, we will try to facilitate integration of breakthrough content into regular sessions. To this end, we will introduce the possibility to declare your intention of submitting a breakthrough abstract in advance, as part of the regular call for abstracts, by using a pre-submission form. This will enable the programme committee to anticipate what might be coming, and setting aside slots for a breakthrough presentation.

Space for a dedicated session for breakthrough content will still be reserved provisionally, and based on pre-submissions, EWEA will then decide whether to have a separate session for breakthrough content or full integration into regular sessions. This decision will be taken by the end of May.

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5. Rules and requirements

5.1. Definitions

Submitter: person who submits the abstract

Presenting author: person who will physically present the abstract at the conference and who is marked as the presenter in the programme

5.2. Submission rules

- Abstracts must be submitted online, on or before the closing date (17 April 2016 for the main call for abstracts, 19 June 2016 for the call for 'breakthrough abstracts'). N.B. No extensions will be made to these deadlines.
- The organisers reserve the right to reject any abstract that fails to comply with the submission instructions described in the document. Please note that late submissions will not be considered.
- It is possible to submit more than one abstract. However, only one presenting author per abstract is permitted. Whilst it is possible for one presenter to have several poster presentations, please be aware that in order to promote as diverse a programme as possible it is not normally possible for a presenter to make more than one oral presentation.
- Please ensure that your abstract does not contain spelling, grammatical or technical / scientific errors. Take care to not include special characters (symbols such as © or ± for example) as these will not be rendered properly, but rather write these out in normal text. No corrections are possible after the submission deadline. The abstract will be reproduced exactly as submitted. No proofreading will be done.
- Presenting authors must accept full responsibility for the submission and presentation of the abstract. Presenting authors retain full copyright of their abstracts, presentations and full papers. By submitting an abstract, authors give consent and authorise the organisers to publish or submit for publication their abstract, presentation, biography, photo and full paper, and to include them in any conference publications.

5.3. Abstract requirements

- Abstracts should contain new work, not yet published.
- Abstracts should not contain overtly promotional or commercial content, but rather strive to present data or results that can contribute to bringing the industry forward.
- The correct topic must be selected to ensure correct scoring. The content of the abstract must be topic-related. It is the responsibility of the submitter to ensure that abstracts are submitted under the correct topic.
- Abstracts must respect the word limits for each abstract type:
 - Science & research abstracts: maximum 1,500 words.
- Abstract format:
 - Science & research abstracts: PDF (incl. text plus graphs, charts or images as necessary, and embedded fonts). **Please include abstract title, presenting author, co-authors and affiliations in your PDF.**
 - Submitted abstracts should be divided in 5 sections:
 1. Introduction
 2. Approach
 3. Main body of abstract
 4. Conclusion
 5. Learning objectives
- Abbreviations should be defined.

5.4. Pre-submission of breakthrough abstracts

- The pre-submission process is meant to enable authors who envisage to submit a breakthrough abstract but do not have yet the full data to be able to submit
- Pre-submitted breakthrough abstracts should respect the following format:
 - 300 words max
 - Plain text format
 - Submitted entries should include:
 - A short description of the data to be presented
 - A short explanation as to why this would provide a breakthrough
 - An indication of when results are expected to be available

6. Online submission procedure

6.1. Using the online system

- Abstracts may only be submitted via our online system. The first time you use the system, you must create your own **submitter account**. Using this account, you are able to create, edit and submit multiple abstracts.
- Submitters can go back and make changes to, or delete, a submitted abstract until the submission deadline, 17 April 2016 (23:00 CET) for the main call for abstracts and 19 June 2016 (23:00 CET) for the call for 'breakthrough abstracts'.
- Prior to the submission deadline, the secretariat will be in contact with abstract submitters. Once this deadline has passed, all future communication will be with the **presenting author**. To avoid confusion please make sure this is clearly communicated between submitters and presenting authors.
- If you have successfully submitted your abstract you will receive a confirmation email. If no confirmation email is received within 48 hours, the abstract cannot be considered as successfully submitted and accepted. Please contact the secretariat at conference@eweaevents.org to check the status of your abstract.
- Abstract withdrawal: If you would like to withdraw an abstract after the submission deadline, please contact us at conference@eweaevents.org

6.2. What do I need before starting my submission?

- Read through the topic descriptions before you write and submit your abstract.
- Prepare your abstract text in a word processing programme (e.g. Microsoft Word) for easy copy-paste into the online form.
- Prepare your brief biography (max 100 words). Biographies should summarise your current position, educational qualifications, brief career details and major work achievements to date, including any areas of specialisation. Biographies should be written in the third person and should be clear and concise. If your abstract is selected for presentation at the conference, your biography will be published as is in the online conference programme and will not be proofread.
- Make sure you have a professional photo, head and shoulder style, JPEG format, sized at least 450 × 450 pixels and no larger than 2MB. If your abstract is selected for presentation at the conference, your professional photo will be published in the online conference programme.
- Have information on co-authors, if applicable (full name, organisation and email address).

Example of brief biography:

Mrs. Windmill has been working in the wind industry for almost 20 years. She is currently a senior consultant at the International Wind Research Institute in Windtown. She studied electrical power engineering and automation at the University of Applied Science in Windtown. After her studies she spent 12 years at Company X in various roles and has been involved in projects Y and Z. Her research is focused on the grid connection of electrical systems and components. She has received awards for her work in the fields of A, B and C.

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7. Advice for abstract submitters: how to write a good abstract

An abstract is a short document that is intended to capture the interest of the reviewers. It should engage the reader, making it clear what your paper is about and why it would make an excellent oral or poster presentation.

When answering a call for abstracts keep the following in mind to ensure that yours has a good chance of being accepted.

- Read the explanation of the abstract scoring process, so you understand the criteria your abstract will be marked on.
- Ensure that your ideas are well thought out and follow a logical, coherent flow:
 - State the issue to be discussed
 - Give a brief background to the issue
 - Brief description of what you are doing to address it
 - Implications/outcomes: why is what you've done of value to other specialists?
- Ensure that the abstract relates to the topic in a direct, not contrived way.
- Ensure your abstract will contribute to the conference:
 - Highlight why your work is innovative – what new ideas/research will you bring to delegates?
 - How is your work relevant to delegates? What will they learn and what can they take back to their jobs?
- Title: Short attention-catching titles are the most effective. However, it is also important, for a conference paper, to ensure that the title describes the subject you are writing about, so make sure it's not too obscure. Avoid using acronyms in your title.
- Ensure that practical aspects of the abstract comply with requirements, including word limits, specified font type, size and format.
- Look at past abstracts/conference papers to pick up the tone and style of successful abstracts.
- Run your abstract past someone familiar with both the topic and this type of abstract process.
- Finally, remember that your abstract serves two purposes:
 - To interest and intrigue the committee so they will select it
 - Introduce/outline your topic for the online programme – to give delegates a good idea of what to expect

8. Abstract scoring procedure

8.1. Scoring of science & research abstracts

Reviewers of science & research abstracts will base their scores on the following criteria:

1 = the abstract has to describe work that has been done at the moment of writing the extended abstract, not work that will be done.

2 = while the style of writing may be brief and incomplete, the essential steps in the research must be clear and convincing.

3 = the abstract should contain new work, not yet published.

4 = the abstract should include a complete reference list.

5 = the methodology and results should be plausible and free of errors.

6 = the work in the abstract should be up-to-date as regards previous knowledge and the contribution of others.

7 = the work should be scientifically/technically relevant.

For each criterion, the abstract will be marked from 1 – 3, giving a maximum score of 21. Each abstract is reviewed by a number of different reviewers, and the average score out of 21 is calculated.

The 1-3 scale for each criterion is:

1 = not sufficient

2 = adequate

3 = good

8.2. Recommendations made by abstract reviewers

As well as providing a numerical score for your abstract, each reviewer will make a recommendation. The options available to reviewers are:

- This abstract should be rejected
- I strongly recommend that this abstract is selected for poster presentation
- This abstract is more suitable for poster presentation than oral presentation
- This abstract is more suitable for oral presentation than poster presentation
- I strongly recommend that this abstract is selected for oral presentation

Please note the recommendations of reviewers are intended as a guide for the session chair. They do not guarantee the final outcome.

8.3. What happens after the abstracts are scored?

As described under point 3, each topic (with the exception of 'finance') will have two topic leaders, one from industry and one from the science & research community. Topic leaders will have access to all the abstracts submitted for their topic, together with their average score and the recommendations of reviewers.

The topic leaders select the abstracts they wish to include in their sessions – this is based on the scores & recommendations of reviewers, but also takes into account the scope and balance of the sessions. Topic leaders are given the following benchmarks as guidance:

Science & research abstracts:

- *Oral presentation*: abstracts with an average score of more than 18 OR reviewers strongly recommending oral presentation;
- *Rejection*: abstracts with an average score of less than 14 OR one or more reviewers recommending rejection
- *Poster presentation*: abstracts not selected for oral presentation but not considered for rejection.

The topic leaders then together prepare session proposals, with the abstracts they wish to include in their sessions for oral presentation. The session proposals will be discussed and finalised at a meeting of topic leaders and EWEA staff in May 2016. Presenting authors will be notified of the outcome of their submission by email (from conference@eweaevents.org) as of end May 2016.

All accepted authors (oral or poster) will be given the opportunity to produce a full paper, which will be included in the EWEA 2016 online conference proceedings. Only full papers of science & research oral presentations will be peer-reviewed and published as scientific literature, compiled in the EWEA 2016 Scientific Proceedings. As in previous EWEA event, the published volume will have a unique identifier (ISBN or DOI). More details will be communicated in due course.

All oral presenters are required to send a draft of their presentation to their session chair by 03 July 2016. Sessions chairs will then contact speakers to discuss the draft presentation and agree on modifications as necessary for it to best fit into the session and be of maximum value to conference delegates.

NB: Following these discussions should the session chair feel that the proposed presentation will still not be of sufficient quality and value to the conference programme, the session chair has the right to reject the oral presentation. This, however, is only expected to be necessary as a last resort in exceptional cases.