



ABSTRACT SUBMISSION GUIDELINES FOR AUTHORS

**Deadline to submit your abstract
19 January 2020, Midnight**

Abstracts can only be submitted online via the online abstract submission: www.eccm19.org

Abstracts sent by fax, post or email will not be accepted.

We are pleased to welcome you on the abstract submission website for the **European Conference on Composite Materials (ECCM19)** to be held in **Nantes, 22-26 June 2020**.

You can submit your abstract until **19 January 2020, 23:59 CET** for an oral communication or a poster presentation.

- Abstracts will be selected **after the reviewing by members of the ECCM19** scientific committee.
- Abstracts must be written in English.
- The notification of acceptance will be sent on in March 2020.

We kindly ask you to read these guidelines before submitting your abstract.

If you have any query, please contact the scientific secretariat:

scientific@eccm19.org or by phone : +33 (0)1 53 85 82 63

A - RULES

1. Abstracts can only be submitted online via the online abstract submission. Abstracts sent by post or email will not be accepted. You can submit your abstract **until 19 January 2020, 23:59**.
2. The **grouping of data** from the same work is highly recommended. Cutting a study in two abstracts is prohibited and will be sanctioned by the refusal of abstracts.
3. The submission of an abstract implies the author to register to **ECCM19** to present his communication.



B – CONFERENCE TOPICS

1. Industrial applications

- 1.1. Aerospace
- 1.2. Ground based transportation: Automotive, Trains, Buses, Trucks
- 1.3. Marine
- 1.4. Renewable energies
- 1.5. Civil engineering
- 1.6. Sports & Leisure
- 1.7. Medical

2. Material science

- 2.1. Fibers & textiles
- 2.2. Matrix materials: polymers, metals, ceramics, concrete, geopolymer
- 2.3. Interfaces and Interphases
- 2.4. Prepregs
- 2.5. Bio composites
- 2.6. Nano composites
- 2.7. Graphene, graphene-based composites
- 2.8. Hybrid composites
- 2.9. Hierarchical composites
- 2.10. Foams, cellular and lattice materials

3. Material and Structural Behavior - Simulation & Testing

- 3.1. Fracture and damage
- 3.2. Multiscale modeling
- 3.3. Textile composites
- 3.4. Thin ply composites
- 3.5. Short & long fibre composites
- 3.6. Fatigue
- 3.7. Dynamic
- 3.8. Creep
- 3.9. Durability, ageing, environmental effects
- 3.10. Lightning Strike, fire behavior and fire retardance/resistance of composites
- 3.11. Electrical properties
- 3.12. Material by design
- 3.13. Design of parts
- 3.14. Bio-inspired designs
- 3.15. Sandwich structures
- 3.16. Hybrid structures
- 3.17. Buckling & stability
- 3.18. Joining & joints
- 3.19. Advanced computational strategies
- 3.20. Ductile and pseudo-ductile composites
- 3.21. Maintenance & repair
- 3.22. Structural health monitoring and control

4. Experimental techniques

- 4.1. Full-field methods
- 4.2. X-ray computed tomography
- 4.3. Thermography
- 4.4. Acoustic Emission & ultrasonic method
- 4.5. Optical fiber sensors
- 4.6. Micro- and nano-scale test methods
- 4.7. Standardisation
- 4.8. Data-driven methods
- 4.9. Tests in severe conditions
- 4.10. Novel test methods
- 4.11. Multiphysics based experimental testing

5. Manufacturing

- 5.1. Process modeling and simulation
- 5.2. Experimental methods for process characterisation
- 5.3. Manufacturing of dry 2D textiles and prepregs
- 5.4. Braided preforms and their composites
- 5.5. 3D textile reinforcements and their composites
- 5.6. Tailored preforms
- 5.7. Automated placement technologies
- 5.8. Pultrusion, filament winding, roll forming
- 5.9. Liquid composite molding
- 5.10. Autoclave and Out-of-Autoclave
- 5.11. Forming & stamping
- 5.12. Machining
- 5.13. Up-Scaling & automation
- 5.14. Online process monitoring and controlling
- 5.15. Smart processing
- 5.16. Additive manufacturing
- 5.17. Manufacturing of short & long fiber composites
- 5.18. Welding and bonding

6. Multifunctional and smart composites

- 6.1. Structural integration of devices
- 6.2. Self-healing
- 6.3. Energy storage and harvesting
- 6.4. Sensing and actuation
- 6.5. Adaptive response and reconfiguration
- 6.6. Smart structures

7. Recycling and sustainability

- 7.1. Sustainability - Resource efficient technologies and supply chains
- 7.2. Recycling of fibres and composites

8. ONR Session

The committee reserves the right to change the topics.



D – ABSTRACT LAYOUT

1. **Abstract's length:** The abstract must contain at least 2,500 characters and cannot contain more than 7,500 characters (blank spaces, punctuation included. The abstracts' title as well as the authors' affiliation are included).
2. **Tables & pictures:** You can insert up to two tables and a picture: There is no limitation concerning the amount of table's columns and rows. The pictures must not exceed 750 pixels height, and 750 pixels width. May you wish to add an equation and the characters proposed are not sufficient, please make a reference (i.e. [Equation 1]) in your text and upload a figure containing your equation.
3. **Special characters:** you can insert special characters (ex : greek letters) and format your text (ex : underline, bold ou italic).
4. **You must include at least 1 keyword** (max. 5).

E – FORMATTING

1. Account creation and submission of the first abstract
 - During your first submission, you will receive two emails
 - ✓ The first to confirm the creation of your account. It is recommended to keep in reference your user name, your password and the answer to the secret question.
 - ✓ The second to confirm your abstract has been successfully submitted and its reference number.
 - Correspondence relating to the abstract will be sent by default to the abstract submitter.
 - Before submitting the abstract submission, you will be asked to carefully check the abstract preview.
 - Please kindly note that "*" indicates a mandatory field. The system will inform you if you have not fulfilled all the mandatory fields to submit your abstract.
 - You can edit your abstract until the deadline with your username and password.
2. Submission of another abstract
 - Please note that you are only allowed to submit one abstract as first author. You may however be a co-author in several other abstracts.
3. List of authors
 - By clicking the button "Add author" you can add co-authors in your abstract. First author is automatically already entered but you can modify it.
 - Please enter the full name (in full) in lower case (first letter capitalized). In the case of a middle name or first name composed, if you want the original second appears in the abstract, you must fill out the "middle name" field.
 - You can change the order of authors by using the arrows.
 - The authors and co-authors must declare any financial or other interests with a company in connection with the work presented.
 - In the final submission, the co-authors will receive by email of confirmation the submission.
4. Your abstract
 - Write or copy / paste your abstract inside the fields
 - Do not repeat the title of your resume, the names of authors or headers of each field that will be automatically added to your abstract.

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