

Instructions for Authors

Authors have to comply with the instructions for authors when preparing their:

- **Abstracts:** Online via the author space account to be created in the conference website. Limited short text without figures and tables.
- **Full papers:** Word template will be available for downloading. Word or PDF will be the acceptable format.

Note: Submitted full papers are published in the proceedings and their oral presentation planned in the final program only upon payment of the registration fees by the early or late registrations deadlines.

Publications

The proceedings of ACMA 2018 will be made available during the conference in the form of E-proceedings (Online, USB, flash disc).

Renowned scientific international journals have agreed on ACMA2018 post-conference publication of special issues or selections of presented contributions within their regular issues. These include:

- **Advances in Aircraft & Spacecraft Science** (Techno Press), <http://technopress.kaist.ac.kr/?journal=aas&subpage=3> will devote a peer-reviewed special issue to ACMA2018.
- **Mechanics of Advanced Materials and Structures** (Taylor & Francis), www.tandfonline.com/loi/umcm20 Will publish a selection of peer-reviewed contributions from ACMA2018.
- **International Journal of Smart and Nano Materials** (Taylor & Francis), www.tandfonline.com/loi/tsnm20, will devote a peer-reviewed special issue to ACMA2018.

Authors will have to choose the journal to which they would like to submit their extended contributions. However, they are allowed to submit to only one journal. Peer-review normal process applies for each journal (special issue or selected papers).



Venue, location, accommodation

Venue

The conference will take place at the **centre Pierre Guillaumat** (www.utc.fr/en/utc/life-on-the-utc-campus/a-university-in-the-city.html) beneath the centre de recherche – Royallieu of the **Université de Technologie de Compiègne**, (www.utc.fr/en.html), at Compiègne.

Location

Compiègne is an Imperial town as it hosts the famous Napoleon Palace. Thanks to the free transport, Compiègne town (www.mairie-compiegne.fr/en-GB/Tourism.aspx) and/or **Napoleon Palace** (<http://en.palaisdecompiègne.fr>) can be easily visited.

Nearby **medieval Pierrefonds Castle**, (www.chateau-pierrefonds.fr/en/), can be also visited by hiring a taxi for example. In the way, you can visit **the carriage 2419D** (Armistice Museum), at Compiègne forest, where the First World War (1914-1918) end was signed (www.musee-armistice-14-18.fr/#/le-wagon/3160813).

Within half an hour by train, for example, is **Chantilly Castle**, (www.domainedechantilly.com/en/). You may try at Chantilly its World famous and original 'Crème Chantilly'!

Accommodation

A number of hotels are available around the conference venue. A list of hotels will be recommended within either walk distance or free Bus transport. The authors have to arrange their accommodation by themselves.

<https://acma2018.sciencesconf.org/>
contact : acma2018@sciencesconf.org



7th International Symposium on Aircraft Materials

April 24-26, 2018
Compiègne, France



<https://acma2018.sciencesconf.org>

About ACMA 2018

ACMA2018 is the 7th edition of the International Symposium on Air-Craft Materials (ACMA), 24-26 April, 2018, Compiègne, France.

ACMA is a series that started in 2007 and has progressed successfully over the years. All its past conference venues were located in Morocco (Agadir 2007, 2008, 2016; Marrakech 2010, 2014; Fez 2012). As this series belongs to the AMAMTA (Association Marocaine des Matériaux & Techniques Aéronautiques), it is the first time that ACMA is organized outside.

ACMA2018 will aim at providing a comprehensive forum for discussing current state of the art in the wide field of aircraft materials as well as generating inspiration for future ideas specifically on a multidisciplinary level.

The language of ACMA2018 is English only (Abstract, Paper, Poster, Oral Presentation).

Organizers & Committees

Conference Chairmen

Zoheir Aboura, Roberval UMR 7337 UTC/CNRS, UTC, France

Ayech Benjeddou, Roberval UMR 7337 UTC/CNRS, SUPMECA, France

Local Organizing Committee

Zoheir Aboura, Roberval UMR 7337 UTC/CNRS, UTC, France

Ayech Benjeddou, Roberval UMR 7337 UTC/CNRS, SUPMECA, France

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International Scientific Committee

Zoheir Aboura, Université de Technologie de Compiègne, France

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Wilfried Becker, Technische Universität Darmstadt, Germany

Ayech Benjeddou, Roberval, SUPMECA, France

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Abdelkhalak El-Hami, Institut National des Sciences Appliquées de Rouen, France

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Frédéric Laurin, ONERA, France

Loïc Lelay, STELIA AEROSPACE, France

Mustapha Jouiad, MASDAR Institute, United Arab Emirates

Jinsong Leng, Harbin Institute of Technology, China,

Gilles Lubineau, King Abdullah University for Science and Technology, Saudi Arabia

Lionel Marcin, SAFRAN Tech, France

Abdellah Menou, Académie Internationale Mohammed VI de l'Aviation Civile, Morocco

Ali Mouden, Université Ibn Zohr Agadir, Morocco

Ivana Partridge, University of Bristol, United Kingdom

Domingos Alves Rade, Instituto Tecnológico de Aeronáutica, Brazil

Nicolas Saintier, Arts et Métiers ParisTech-ENSAM Bordeaux, France

Abdelghani Saouab, Université du Havre, France

Afzal Suleman, University of Victoria, Canada

François Trochu, École Polytechnique de Montréal, Canada

Peter Wierach, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany

Conference Topics

General topics

- **Materials** (advanced, hybrid, functional, multifunctional, smart, composites, nanotechnology, green technology, etc.)
- **Structures** (mechanics, dynamics, vibration, acoustics, smart, etc.)
- **Assembly** (materials, components, joining, bonding, riveting, soldering, contact, friction, damping, tribology, etc.)
- **Design** (mechanical, mechatronic, numerical, robust, reliable, stochastic, design of experiments, CAD, CAM, PLM, eco-design, etc.)
- **Coupled problems** (aerodynamics, aeroacoustics, vibroacoustics, CFD, etc.)
- **Surveillance** (NDT, NDE, SHM, damage, fatigue, fracture, etc.)
- **Energy & Control** (harvesting, storage, sensors, actuators, guidance, etc.)
- **Manufacturing & processing** (additive manufacturing, 3D/4D printing, sheet forming, surface coating, cutting technology, etc.)
- **Production & logistics** (digital factory, factory of the future, Lean manufacturing, etc.)

Special Sessions & Mini-symposia

Special sessions (SS), on projects, clusters or networks, and mini-symposia (MS), with possible keynote lectures proposed by MS organizers, on research or/and industrial hot topics are organized by international scientific committee members and experts in their research fields.



Plenary Lectures

Seven plenary lectures are planned during ACMA2018. Two alternating industrial/academic plenary lectures during each first two days mornings and one industrial lecture during the technical visit. Each plenary lecture has a duration of 45 min including Q&A.

Important Dates

Authors are invited to observe the following deadlines for:

Abstracts submissions	December 4, 2017
Full papers submissions	January 31, 2018
Early (reduced fees) registrations	January 31, 2018
Late (full fees) registrations	March 16, 2018

Registrations

Authors are invited to create their online accounts and register for the abstracts & full papers submissions and registrations fees payments.

Depending on the author category and payment timing, the following fees (in Euro) apply:

Reduced registration (early)	450€ by January 31, 2018
Full registration (late)	500€ beyond January 31, 2018
PhD students reduced registration (early)	350€ by January 31, 2018
PhD students full registration (late)	400€ beyond January 31, 2018
Accompanying persons	150€ by January 31, 2018
Accompanying persons	200€ beyond January 31, 2018

Full/reduced and PhD students early/late registrations include, the welcome reception, coffee breaks, banquet dinner, proceedings and visits. PhD Students should scan and send by email their PhD students IDs to benefit from their category fees.

Accompanying persons fees include the welcome reception, banquet dinner and visits.

Notes:

- Received registrations fees cannot be refunded.
- One registration allows only one submission (abstract, paper) and one Oral or Poster presentation.