



Final call for papers

European Conference on More Electric Aircraft

Toulouse, February 4-5, 2015

Centre des Congrès Pierre Baudis

Future aircraft technology will increasingly rely on electrical power. From unmanned drones and light piloted aircraft which are currently battery or solar powered, it is envisioned that technological developments will see future transport aircraft electrically powered and adopting hydrogen energy storage.

There are many benefits to the more electric aircraft. The move to electric brakes and the recently advertised electrical "green taxiing" systems allow airlines to reduce operating costs and environmental impact during ground operations. Wide-body aircraft already benefit from sophisticated electrical power management systems and increased numbers of all-electric actuators. Current research and development programmes in Europe and beyond are pushing new technological advances to make electrical systems more reliable and power dense. These include new power electronic devices, novel high efficiency, power dense generators, advanced actuation systems as well as real-time power management. These will directly contribute to lighter aircraft and subsequent reduction in fuel consumption and will pave the way towards greener aviation.

Following the successful European conference held in Bordeaux in November 2012, and its national predecessor in Toulouse in January 2009, the organisers of MEA2015 invite industry and research representatives to contribute to this new exciting edition, and prepare to share ideas, problems and solutions relating to technological developments as well as future concepts associated to more electrical aircraft.



The 2-days programme will include invited oral sessions, together with highly interactive poster sessions, for which you are invited to submit abstracts referring to the following topics:

- Lessons learnt on existing MEA programmes
- Trends for architectures and technologies
- MEA certification stakes
- Power management
- Power generation
- Energy storage
- Propulsion: more electric power plant, hybrid propulsion, electric propulsion
- Energy harvesting
- Technologies and components for MEA
- Actuators for MEA
- Integration of MEA equipment, EMC, thermal issues
- MRO, health monitoring, life cycle management
- Cooling concepts for MEA
- High temperature technologies
- Photovoltaic / usable solar cells

More information and abstract submission on www.mea2015.eu

At the same location (Centre des Congrès Pierre Baudis) and time period, the international conference on Fundamentals and Developments of Fuel Cells will hold its 6th edition, FDFC2015. For more information see www.fdfc2015-toulouse.org. Each conference will facilitate access to the other.

Deadline and schedule

Extended abstracts (2 pages) are to be uploaded on the website **before September 15th**, using a suggested template. Following review by the programme committee members, notification of acceptance will be forwarded by **October 13th**.

Final programme will be then available on the website, where registration to the conference will open.

Programme committee:

Co-chairs: **Serge Berenger** (Vice President, Innovation and R&T, Safran Labinal Power Systems)
Christopher Gerada (Professor at the University of Nottingham)

Members:

Amiet	Michel	ret. DGA	Hermetz	Jean	Onera
Baffleur	Marise	CNRS/LAAS	Jaffard	Magali	Pegase
Baldini	Bernard	Dassault	Joubert	Emmanuel	Airbus Innovations
Bozhko	Sergei	U. Nottingham	Lafontaine	Eric	DGA
Budinger	Marc	INSA	Kafyeke	Fassi	Bombardier
Canals	Agusti	CS	Nieznanski	Janusz	U. Gdansk
Cavallo	Alberto	U. Napoli	Pellet	Claude	CNRS/IMS
Christophe	Florent	Onera, SEE	Pezzoli	Roberto	PiaggioAero
Chrzan	Piotr	U. Gdansk	Rideau	J.-François	Microturbo
Coron	Pascal	Goodrich	Roboam	Xavier	CNRS/Laplace
Donadille	Christian	Airbus	Roques	Serge	Safran/SES
Duquesne	Nathalie	Liebherr	Rouge-		
Dussel	Louis	SAFT	Carrassat	Thierry	Zodiacaerospace
Engler	Wolfgang	ret. Airbus	Smyth	Richard	ret. Airbus
Fraboulet	David	CEA	Thalin	Pascal	Thales AES
Garrigan	Neil R.	GE Aviation	Thielecke	Frank	U. Hamburg
Gatard	Jacques	TTTech	Todeschi	Michel	Airbus
Gautherot	J.Charles	ret.DGA, SEE	Vannier	J.Claude	Astech, Supelec
Gazzino	Marc	Airbus Helicopters	Vernieres	François	Aerospace Valley
Grolleau	Jean-Marc	TAV / AETOS	Wheeler	Patrick	U. Nottingham
Hania	David	Safran/LPS			

Organising committee:

Chair: **Florent Christophe** (ONERA -the French Aerospace Lab- and SEE)

Members:

Alidor	Valérie	SEE, Paris	Mangane	Laurent	3AF, Toulouse
Budinger	Valérie	SEE, Toulouse	Melchior	Pierre	SEE, Bordeaux
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Gautherot	J.Charles	SEE, Toulouse	Stella	Joelle	3AF, Toulouse
Goetz	Catherine	3AF, Bordeaux	Torgue	Alice	3AF, Toulouse
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SEE: Société de l'Electricité, de l'Electronique et des technologies de l'information et de la communication
www.see.asso.fr



3AF: Association Aéronautique et Astronautique de France
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