

CONFERENCE LOCATION :

27, rue Leblanc
75015 Paris - France
SAGEM Conference Center

LANGUAGE :

Papers will be presented in English

SECRETARIAT :

3AF - 6, rue Gallée
75016 Paris - France
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This program may be subject to modifications.
Additional abstracts can be taken into consideration and papers added to this program.
If you wish to submit a proposal, your abstract (in english) should not exceed 400 words and will have to be sent to the conference secretariat before september 15, 2007.

MATERIALS FOR AEROSPACE APPLICATIONS

22nd 3AF COLLOQUIUM



FIRST ANNOUNCEMENT



**NOVEMBER 27-28, 2007
PARIS**



EADS



PROGRAMME COMMITTEE MEMBERS

Chairman : Daniel ALIAGA, EADS IW

Jean-Pierre BONNAFE, ASTRUM	Michel PARLIER, ONERA
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Alain LASALMONIE, SNECMA	Gilles SURDON, DASSAULT Aviation
Stéphanie NAKA, ONERA	Arnaud TRONCHE, ALBERT & DUVAL

SCOPE OF THE COLLOQUIUM AND CONTENT

This meeting organized every two years by the "Materials Committee" of the "Association Aéronautique et Astronautique de France" (3AF), intends to promote discussions between the Academic World, the Aerospace Industry and the main Materials Suppliers.

The 2007 meeting will be devoted to presentations and discussions on the following topics :

1. Environment related Materials and Technologies
2. Advanced Materials
3. Innovative Processes for cost saving and weight reduction
4. Engines and Structures Repairing

The technical presentations, given by specialists, will be followed by roundtables opening the opportunity of interesting exchanges between all participants

PRELIMINARY PROGRAMME

TUESDAY NOVEMBER 27, 2007

Session 1 - ENVIRONMENT RELATED MATERIALS AND TECHNOLOGIES

- New trends for Green Aircraft
- Impact of European Regulations (REACH)
- Environmental Management System
- Environmental friendly Surface Treatment

Session 2 - ADVANCED MATERIALS

- Multifunctional Cellular Materials
- Optimisation of CFRP Materials through Multiscale Approach
- CFRP Thermoset and Thermoplastic
- New Trends in Metallic Materials (Steel and Aluminium Alloys)

WEDNESDAY NOVEMBER 28, 2007

Session 3 - INNOVATIVE PROCESSES FOR COST SAVING AND WEIGHT REDUCTION

- Manufacturing Process (Direct Manufacturing, Machining ...)
- Joining Processes (Friction Stir Welding)
- Forming (Creep and Age Forming)

Session 4 - ENGINES AND STRUCTURES REPAIRING

- In Service Damage Feed Back
- Engines Components Repairing
- CFRP Structural Components Repairing