Scientific Committee

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Holger **BABINSKY**	University of Cambridge
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Jean-Paul **BONNET**	University of Poitiers
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Laurent **CAMBIER**	Onera
Patrick **CHAMPIGNY**	Onera
Bruno **CHANETZ**	Onera
Paola **CINNELLA**	Arts et Métiers ParisTech
Jean **COLLINET**	Astrium
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Jean **DÉLERY**	3AF/Onera
Piotr **DOERFFER**	Polish Academy of Sciences
Michel **DUMAS**	SAFRAN – Snecma
Gérard **FOURNIER**	GFIC
Anne **GAZAIX**	Airbus
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Patrick **GILLIÉRON**	Renault
Patrick **GNEMMI**	ISL
Francesco **GRASSO**	IAT/CNAM
Vincent **HERBERT**	PSA – Peugeot Citroën
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Azeddine **KOURTA**	University of Orléans
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Jean-Denis **PARISSE**	University of Marseille
Jean-Pierre **ROSENBLUM**	Dassault Aviation
William S. **SARIC**	Texas A&M University
Jean **TENSI**	ENSMA
Jean-Pierre **VEUILLOT**	Onera
Zoubir **ZOUAOUI**	Glyndwr University

The International Symposium of Applied Aerodynamics is organized each year by the French Aeronautics and Space Society (3AF) in a different venue in France known for its activities in the field of aeronautics and/or space technology. The symposium is an excellent opportunity for scientific exchanges among the aerospace community where aerodynamicists from industry, research institutions and academics meet. Scientists and engineers from other domains involving fluid mechanics are also welcome.

Each year the symposium concentrates on a different topic representative of current concerns in the field of aerodynamics. It is organized on the basis of five half-days of technical presentations, each introduced by a keynote conference given by an expert in the field covered by the session. The symposium is concluded by a technical visit in connection with the symposium's subject.

3AF
LA SOCIÉTÉ SAVANTE FRANÇAISE DE L'AÉRONAUTIQUE ET DE L'ESPACE

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CALL FOR PAPERS

3AF
LA SOCIÉTÉ SAVANTE FRANÇAISE DE L'AÉRONAUTIQUE ET DE L'ESPACE

48th International Symposium of Applied Aerodynamics

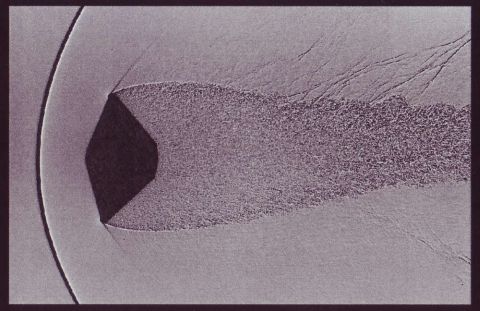
Aerodynamics of small bodies and details

Saint-Louis, France - March 25-26-27, 2013

« Micro Air Vehicle Bi-Rotor »

ONERA THE FRENCH AEROSPACE LAB · ISL · CEAS · AIAA · ROYAL AERONAUTICAL SOCIETY

Call for papers



Communication abstracts (300 to 500 words, preferably with figures) have to be mailed to the 3AF Executive Secretary before October 15, 2012.

The Scientific Committee will inform the authors of acceptance by November 19, 2012 at the latest.

Official language

Papers must be submitted and presented in English. The written version of the communications will be in English and must be sent to the 3AF Executive Secretary (secr.exec@aaaf.asso.fr) before **February 25, 2013** to allow their insertion in the symposium proceedings. A 3AF template file will be provided for the written version.

A selection of papers will be published in a special issue of the International Journal of Engineering Systems Modelling dedicated to the International Symposium of Applied Aerodynamics. Authors are however free to publish their paper in any other journal, a reference to the symposium being then appreciated.

Symposium deadlines

Abstract submission:	**October 15, 2012**
Paper acceptance:	**November 19, 2012**
Full-length paper:	**February 25, 2013**
Symposium in Saint-Louis:	**March 25-26-27, 2013**

Symposium secretariat coordinates

Executive Secretary: Anne Venables
3AF – 6 rue Galilée – 75016 Paris, France
Tel: +33 1 56 64 12 30
Fax: +33 1 56 64 12 31
Email: secr.exec@aaaf.asso.fr
Web: www.aaaf.asso.fr

Programme coordinator: Jean Délery
Onera – 8 rue des Vertugadins
92190 Meudon, France
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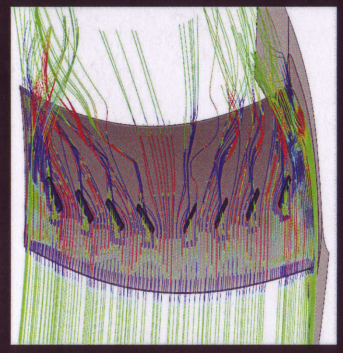
3AF
LA SOCIÉTÉ SAVANTE FRANÇAISE DE L'AÉRONAUTIQUE ET DE L'ESPACE

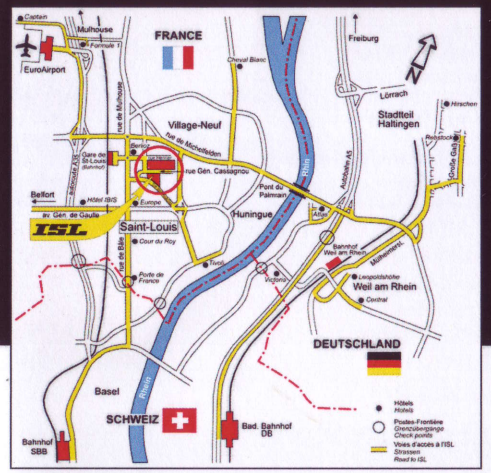
48th 3AF International Symposium of Applied Aerodynamics, Saint-Louis, March 25-26-27, 2013

Aerodynamics of small bodies and details



In 2013, the symposium is hosted by the French-German Research Institute at Saint-Louis, in the eastern part of France close to both the German and Swiss frontiers.

The 48th International Symposium of Applied Aerodynamics will focus on specific problems encountered in the aerodynamic design and performance prediction of small objects such as micro air vehicles, projectiles and flow control devices. Similar difficulties may be caused by small discontinuities or defects on the body leading to substantial parasitic drag and significant noise generation. Such small defects can compromise any attempt to decrease drag by laminarity control. The influence of geometrical details, such as technological effects in turbomachinery or detailed helicopter rotor head, is also very important. Given the current emphasis on fuel consumption reduction and environmental impact such as noise, these problems have taken a vital importance in vehicle design and propulsion system definition.



Symposium Location

French-German Research Institute of Saint-Louis (ISL)
5 rue du Général Cassagnou - 68300 Saint-Louis
France

Keynote conferences

Claude **Berner**	ISL
Francesco **Martelli**	University of Florence
Jean-Marc **Moschetta**	ISAE
William S. **Saric**	Texas A&M University
Norman **Wood**	Airbus-UK

Main Topics

Among the many aspects of the problem, the following items will be considered (the list being not exhaustive):

- **Micro Air Vehicles (MAV) and projectiles**
- **Appendices and gap flows**
- **Low Reynolds number effects**
- **Technological effects**
- **Control devices**
- **Surface effects and geometrical uncertainties**
- **Laminarity and noise generation**
- **Specific measurement techniques**