



**Please note that above endorsements are those of last year,  
to be confirmed for this year.**

## **Call for Papers, Posters, and Demos**

**4<sup>th</sup> AETOS International Workshop on  
"Research Challenges for Future RPAS/UAV Systems"  
October 12-13, 2016**

**In Conjunction with UAV Show (uavshow.com), M rignac (Bordeaux),  
France**

<https://uavshow.com/aetos-iw-2016.html>

(available soon)

To be informed please send an e-mail to Pr. Serge Chaumette at [serge.chaumette@labri.fr](mailto:serge.chaumette@labri.fr) or Pr. Kamesh Namuduri at [kamesh.namuduri@unt.edu](mailto:kamesh.namuduri@unt.edu) including [ Aetos conference ] in the subject line.

This conference is the fourth in the series on Unmanned Aerial Systems with applications to real-world scenarios. It focuses on UAS, supportive technologies, software environments and the associated key research issues. The aim is to bring together the community and to provide an opportunity to share experiences and views of current trends and activities in the domain.

In addition to regular papers, the workshop highlights student posters and demonstrations that showcase real-world applications of UAS. Graduate and Undergraduate students whose posters and demos are accepted for presentation will receive travel support to attend the workshop.

### **Topics of interest**

---

Topics of interest include but are not restricted to:

- |   |   |
|---|---|
| ✓ Air-space integration, sense and avoid      | ✓ Trajectory and path planning            |
| ✓ Autonomy                                    | ✓ Ground control integration              |
| ✓ Safety, security, fault tolerant approaches | ✓ Mission system support                  |
| ✓ Control, guidance, navigation & control     | ✓ Communication, data link                |
| ✓ Use cases and applications                  | ✓ Modeling                                |
| ✓ Sensors and sensor integration, payloads    | ✓ Applications and real world deployments |
| ✓ Mobility models                             |   |

**A special focus of this year will be on issues and use cases of « drones in the city »**

### **Guidelines for Submission**

---

**For paper submission please connect to easychair at <https://easychair.org/conferences/?conf=aetosiw2016>**

Papers approximately 6 pages in length, including figures and references, can be submitted electronically, through the EasyChair conference management system. Authors are suggested to use the standard IEEE conference proceedings templates for Microsoft Word or LaTeX format on A4 size pages that can be found at IEEE website.

All papers, posters, and demos will be judged on originality, significance, correctness, and clarity. It is essential to identify what was accomplished, explain its significance, and include a comparison with previous work. Authors should make every effort so that the technical content of their papers is understandable by a broad audience. All accepted papers will be presented at the conference. The proceedings will be made available online and will be provided as a USB memory key. There will be a printed book of abstracts of all papers for attendees to carry with them at the conference. The organizers are currently working on the possibility to have a special issue of a magazine for selected papers.

---

## Important Dates

---

Abstract submission:	September 2nd, 2016
Paper/poster/submission:	September 9th, 2016
Author notification:	September 18th, 2016
Camera-ready final paper:	September, 23rd, 2016
Workshop:	October 12th - 13th, 2016

## Organization and Committees

---

### Conference chair

Pascal Bouvry	Professor,	University of Luxembourg
---------------	------------	--------------------------

### Steering committee

Franck Cazaurang	Professor,	IMS, University of Bordeaux
Serge Chaumette	Professor,	LABRI, University of Bordeaux
Pierre Melchior	Assistant Professor,	IMS, Bordeaux INP
Kamesh Namuduri	Associate Professor,	University of North Texas
Jean-Louis Roch	Former European Programs Director at Thales, 3AF UAS Tech. Committee,	Teacher at ISAE

### Organization committee co-chairs

Serge Chaumette	Professor,	LABRI, University of Bordeaux
Kamesh Namuduri	Associate Professor,	University of North Texas

### Organization committee

Publicity Co-Chairs	Maud Pawlowski	Aquitaine Council maud.pawlowski@aquitaine.fr
	Damien Sauveron	University of Limoges damien.sauveron@unilim.fr
Local Organization Chair	Anne Huguet	Bordeaux technowest / CESA Drones a.huguet@technowest.com
Finance Chair	Jean-Marc Grolleau	RPAS Aetos Cluster jean-marc.grolleau@fr.thalesgroup.com
Proceedings Chair	Pierre Melchior	IMS, Bordeaux INP pierre.melchior@ims-bordeaux.fr
Poster Chair	Franck Cazaurang	University of Bordeaux franck.cazaurang@u-bordeaux1.fr

## Program committee co-chairs

Franck Cazaurang	Professor,	IMS, University of Bordeaux
Serge Chaumette	Professor,	LABRI, University of Bordeaux
Pierre Melchior	Assistant Professor,	IMS, Bordeaux INP
Kamesh Namuduri	Associate Professor,	University of North Texas

## Program committee (provisional. The persons listed below are those who were part of the PC of last year – some tbc for this year - + some who accepted to join this year)

Bourgeois Julien	Professor, LIFS, University of Franche-Comte
Bouvy Pascal	Professor, University of Luxembourg
Cazaurang Franck	Professor, IMS, University of Bordeaux
Chaumette Serge	Professor, LaBRI, University of Bordeaux
Cruck Eva	Ecole Polytechnique, ANR
Grégoire Danoy	Assistant Professor, University of Luxembourg
Essendorfer Barbara	Fraunhofer Institute
Fabiani Patrick	Professor, ISAE
Fantoni Isabelle	Research Director, CNRS
Guerrini Gilles	Thales Systèmes Aéroportés
Guinand Frédéric	Professor, University of South Britany
Hamel Tarek	Professor, LISS, University Nice Sophia Antipolis
Henri Michel	Chairman of the 3AF Drones Technical Committee, Dassault Aviation/3AF
Huggins Kevin	Colonel, USMA West Point
Le Tallec Claude	ONERA
Melchior Pierre	Assistant Professor, IMS, Bordeaux INP
Moschetta Jean-Marc	Professor, ISAE
Kamesh Namuduri	Associate Professor, University of North Texas, USA
Roch Jean-Louis	Former European Programs Director at Thales, 3AF UAS Tech. Committee, Teacher at ISAE
Sauveron Damien	University of LImoges
Trimmer Barry	Thales UK
Evsen Yanmaz	Senior researcher, Networked and Embedded Systems, Klagenfurt
Sofie Pollin	Professor, KU Leuven
James P. G. Sterbenz	Professor, University of Kansas, USA
Arunabha Sen	Professor, Arizona State University
Natasha Neogi	NASA Langley Research Center
Martin Cadirola	President, Ecotronics