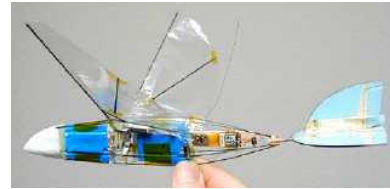


Venue

The international symposium will be held at VLOC (Flanders Aerospace Center), Nieuwpoortsesteenweg 945c, B-8400 Ostend, Belgium www.vloc.eu



International Symposium

Light Weight Unmanned Aerial Vehicle Systems and Subsystems

www.uas-lw.com



11 - 12 - 13 March 2009
Flanders Aerospace Center (VLOC)
Oostende - Belgium

Organized by the

Royal Flemish Aerospace Engineering Society



www.khbo.be

www.ti.kviv.be

www.vloc.eu

Scope

An international symposium on the subject of Light Weight Unmanned Aerial Vehicle Systems (UAS-LW), including associated subsystems, will be held on 11-13 March 2009 at Flanders Aerospace Center (VLOC) in Ostend, Belgium.

This symposium is co-organized by the Royal Flemish Aerospace Engineering Society of TI-KVIV and the Catholic University College Bruges-Ostend (KHBO). The event is open to persons and organisations of all countries.

The conference objectives are to identify:

- the requirements relating to aerial vehicles lighter than 50 kg and their associated sub-systems.
- applications of civil UAS
- requirements for integration into non-segregated airspace
- the shortfalls in science and technology
- research strategies to meet the requirements

Topics

The technical program will focus on:

- Flight physics of fixed, rotary and flapping wings
- Low Reynolds number effects
- Engines and micro motors including fuel cells and solar cells
- Performance and stability
- Miniaturized avionics
- Low energy consumption
- Payload, sensors and communication
- Air traffic management
- Sense and avoid
- Certification of UAS
- Applications
- Flying outside the segregated airspace
- Human factors

Scientific Committee

- Prof. em. dr. ir. Roland DECUYPERE, KHBO/RMA, president Royal Flemish Aerospace Engineering Society, BE
- Ing. MSc. Roland DEFEVER, KHBO-VLOC, BE
- Prof. Ing. LuRu, MSc. Ivan BECUWE, KHBO-VLOC, BE
- Ir. Erika BILLEN, Belgian Civil Aviation Authority (BCAA), BE
- Msc. Jurgen EVERAERTS, VITO, BE
- Prof. dr. ir. Patrick HENDRICK, ULB, BE
- Ing., MSc. Paul HOPFF, Directorate-General Operations, Belgocontrol, BE
- Prof. dr. Saulius KAUSINIS, Kaunas University of Technology, LT
- Dr. Funda KURTULUS, Middle East Technical University, TR
- Dr. ir. Nicolas LEWYCKYJ, VITO, BE
- Dr. Raj NANGIA, Consulting Engineer, GB
- Prof. dr. ir. Dominiek REYNAERT, KULeuven, BE
- Prof. dr. ir. Dirk VANDEPITTE, KULeuven, BE
- Prof. dr. ir. Steve VANLANDUIT, VUB, BE
- Prof. ir. René VAN DEN BRAEMBUSSCHE, von Karman Institute, Belgium
- Prof. dr. ir. Jan VIERENDEELS, UGent, BE



Deadlines

Submission of abstracts: **December 20, 2008.**

Letter of acceptance: **January 15, 2009.**

Submission of paper: **February 15, 2009**

Submission of abstracts

Participants wishing to submit an abstract are invited to send a one-page abstract by **December 20, 2008.**

Abstracts should be sent to:

E-mail: abstracts@uas-lw.com and info@vloc.eu

On-line: www.uav-lw.com

Secretariat

For further information please contact:

www.uas-lw.com

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