

Aeronautical Branch Rotorcraft Committee

CEAS Rotorcraft Committee (RC)

The new CEAS has been founded in 2006 as a European Association under Belgium law with seat in Brussels. The committees are a major element of CEAS in order to establish aerospace knowledge and experience in Europe, prepare technical papers in different areas of technology, organize exchange of knowledge, support the European industrial and scientific community, establish meetings and conferences and foster communication and motivation for young engineers and scientists.

Who?

The Rotorcraft Committee is a group of individuals from a broad range of rotorcraft industries, research establishments, operators, governmental agencies and universities of the constituent member state societies. Most of the members are holding leading positions within the organisations where they are employed.

Why?

The Rotorcraft Committee has been formed with the aim of promoting the importance of rotorcraft and to encourage & foster the interest in this field.

What?

The scope of topics covered by the Rotorcraft Committee includes typical rotorcraft related design issues (like aero-, flight mechanics, dynamics & acoustics), airworthiness (review of new legislation), flight & mission operations (ranging from flight safety to accident investigations), maintenance support (covering health & usage monitoring) & pilot training (both knowledge based & skills driven).

The committee supports the organisation of the European Rotorcraft Forum [ERF](#) and the publication of peer-reviewed ERF papers in its CEAS journal. Furthermore, special interest is focussed on the motivation of young people to be further engaged in rotorcraft related activities.

Future trends

An increasing number of rotorcraft is entering into service. European rotorcraft industry is a worldwide market leader. To continue the success and competitiveness of our world class industry, we need to increase the public acceptance and strengthen the European rotorcraft design & research infrastructure.

A number of challenges face the rotorcraft community at present:

- Improvement of integration of rotorcraft into civil airspace.
- Greening of rotorcraft and its operations (achievement of the Vision 2020 targets): rotorcraft fuel burn, noise & emissions significantly have to be reduced.
- Condition based in-service support & maintenance.
- European rotorcraft licensing regulations and zero flight time training.
- Improvement of rotorcraft safety records as compared to safety records of the fixed wing community.

Information on rotorcraft is provided to CEAS members through the society's newsletter, journal and this website (www.ceas.org/rotorcraft).

Aeronautical Branch Rotorcraft Committee

Committee membership

Name	Function / task(s)	Society	Affiliation	Email address
Christophe Hermans	Chairman	NVvL	NLR, P.O. Box 90502, NL-1006 BM Amsterdam, THE NETHERLANDS	hermans@nlr.nl
Tim Cansdale	Member	RAeS	-	tim.cansdale@ntlworld.com
Giuseppe Pagnano	Member	AIDAA	AgustaWestland, Cascina Costa, I-21017 Samarate - Varese, ITALY	giuseppe.pagnano@agustawestland.com
Yves Favennec	Member	AAAF	Eurocopter S.A.S., F-13725 Marignane Cedex, FRANCE	yves.favennec@eurocopter.com
Blanche Demaret	Member	AAAF	ONERA, BP 72, F-92322 Chatillon Cedex, FRANCE	blanche.demaret@onera.fr
Klausdieter Pahlke	Member	DGLR	DLR, Lilienthalplatz 7, D-38108 Braunschweig, GERMANY	klausdieter.Pahlke@dlr.de
Gareth Padfield	Observer	-	Dept. of Engineering, The University of Liverpool, Liverpool L69 3GH, UK	gareth.padfield@liv.ac.uk
Steve Holton	Observer	-	Westland Helicopters Ltd., Yeovil, Somerset BA20 2YB, UK	holtons@whl.co.uk
Richard Markiewicz	Observer	-	DstL, Air and Weapon Systems Department, Ively Road, Farnborough, UK	rmarkiewicz@mail.dstl.gov.uk
Michael Stephan	Observer	-	Eurocopter Deutschland, D-81663 Munchen, GERMANY	Michael.Stephan@eurocopter.com

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European Rotorcraft Forum ERF

The European Rotorcraft Forum is one of the premier events in the industry's calendar bringing together manufacturers, research establishments, academia, operators and regulatory agencies to discuss advances in research, development, design, manufacturing, testing and operation of rotorcraft.

The ERFs are very special events for the international rotorcraft community and many of us might even remember past ERFs as significant milestones in our careers – maybe the first public presentation for a PhD student, or a report on a multi-national collaborative research venture, the description of new technologies or operational capability for a development programme or the first announcement of new draft regulations. All these things and more can be found in the rich portfolio of a typical ERF. The [International Committee](#), responsible for the technical programme of the Forum, aims to provide a window on the rotorcraft world, to stimulate discussion and even provoke innovation.

The Forum takes place [annually](#) across Europe, rotating around the United Kingdom, Germany, France, Italy, the Netherlands and Russia. The ERF is being organized by the various national aeronautical societies and co-batched by CEAS. The first ERF was held in Southampton, England, in 1975 and the most recent one in Liverpool, England in 2008.

Programme

During the Forum sessions cover typical aspects of rotorcraft and will be held simultaneously in various conference rooms.

Session subjects will include: Acoustics, Engines & Propulsion, Aerodynamics, Flight Mechanics, Aircraft Design, Manufacturing, Aircraft Systems, Avionics, Operational Aspects, Sensors, Test & Evaluation, Airworthiness, Safety, Cost Reduction, Simulation & Training, Crew Station & Human Factors, Structures & Materials, Dynamics.

Social events & technical visits

The forum registration fee includes a welcome reception and the Forum banquet. A programme of sightseeing events for accompanying guests and technical visits for delegates to interesting places in the vicinity of the Forum location is also offered.

English will be the official language for the Forum. There will be no simultaneous translation during each session.

Best paper

The best paper will be selected as the Ian Cheeseman Award Paper for presentation at the next American Helicopter Society Annual Forum.

Proceedings

All registered participants to the ERF will receive a CD-ROM with the available papers and a hard copy of the paper abstracts. Copies of earlier Forum papers can be ordered from the society, responsible for organising the subject event.

Coming soon

The 35th European Rotorcraft Forum will be held in the 2009 in the city of Hamburg, Germany from 16th to 19th September 2008.

For programme and further registration information, please visit the dedicated website at <http://www.erf2009.org>

Aeronautical Branch Rotorcraft Committee

Members of the ERF International Committee

<p>Mrs B Demaret ONERA, BP 72, F-92322 Chatillon Cedex, FRANCE Blanche.Demaret@onera.fr</p>	<p>Prof G Padfield * Dept. of Engineering, The University of Liverpool, Liverpool L69 3GH, UK gareth.padfield@liv.ac.uk</p>
<p>Mr Y Favennec *¹ Eurocopter S.A.S., F-13725 Marignane Cedex, FRANCE yves.favennec@eurocopter.com</p>	<p>Mr K Pahlke * DLR Program Directorate Aeronautics, Lilienthalplatz 7, D-38108 Braunschweig, GERMANY Klausdieter.Pahlke@dlr.de</p>
<p>Mr C Hermans * National Aerospace Laboratory NLR, P.O. Box 90502, NL-1006 BM Amsterdam, THE NETHERLANDS hermans@nlr.nl</p>	<p>Mr G Pagnano * Agusta S.p.A., Cascina Costa. I-21017 Samarate - Varese, ITALY Giuseppe.pagnano@agustawestland.com</p>
<p>Mr S Holton Westland Helicopters Ltd., Yeovil, Somerset BA20 2YB, UK holtons@whl.co.uk</p>	<p>Mr A G Samusenko Mil. Moscow Helicopter Plant, 2 Skolnichevsky val, Moscow 107113, RUSSIA mvz@mi-helicopter.ru</p>
<p>Mr A Loewenstein (AHS International Vice President) Eurocopter S.A.A., F-13725 Marignane Cedex, FRANCE andreas.loewenstein@eurocopter.com</p>	<p>Mr M Stephan Eurocopter Deutschland, D-81663 Munchen, GERMANY Michael.Stephan@eurocopter.com</p>
<p>Prof S Mikhailov Kazan, A.N. Tupolev State Technical University, Karl Marx Str., 10, 420111, Kazan, RUSSIA mikhailov@kai.ru</p>	<p>Mr A Vagin * Kamov Company, 8a, The 8th March Street, Liubertsy, 140007 Moscow Region, RUSSIA vagin@kamov.ru</p>

¹ * Country Representative

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ERF archive

Below you will find an overview of previous Forums organized. Please contact the subject society if you would like to receive a specific paper.

#	Year	Town	Country	Organizing society
1	1975	Southampton	UK	Royal Aeronautical Society RAeS
2	1976		G	Deutsche Gesellschaft für Luft- und Raumfahrt - Lilienthal-Oberth e.V. DGLR
3	1977		F	Association Aéronautique et Astronautique de France AAAF
4	1978	Stresa	I	Associazione Italiana di Aerotecnica e Astronautica AIDAA
5	1979	Amsterdam	NL	Netherlands Association of Aeronautical Engineers NVvL
6	1980	Bristol	UK	Royal Aeronautical Society RAeS
7	1981		G	Deutsche Gesellschaft für Luft- und Raumfahrt - Lilienthal-Oberth e.V. DGLR
8	1982		F	Association Aéronautique et Astronautique de France AAAF
9	1983	Stresa	I	Associazione Italiana di Aerotecnica e Astronautica AIDAA
10	1984	The Hague	NL	Netherlands Association of Aeronautical Engineers NVvL
11	1985	London	UK	Royal Aeronautical Society RAeS
12	1986		G	Deutsche Gesellschaft für Luft- und Raumfahrt - Lilienthal-Oberth e.V. DGLR
13	1987		F	Association Aéronautique et Astronautique de France AAAF
14	1988	Milan	I	Associazione Italiana di Aerotecnica e Astronautica AIDAA
15	1989	Amsterdam	NL	Netherlands Association of Aeronautical Engineers NVvL
16	1990	Glasgow	UK	Royal Aeronautical Society RAeS
17	1991	Berlin	G	Deutsche Gesellschaft für Luft- und Raumfahrt - Lilienthal-Oberth e.V. DGLR
18	1992		F	Association Aéronautique et Astronautique de France AAAF
19	1993	Cernobbio	I	Associazione Italiana di Aerotecnica e Astronautica AIDAA
20	1994	Amsterdam	NL	Netherlands Association of Aeronautical Engineers NVvL
21	1995		R	
22	1996	Brighton	UK	Royal Aeronautical Society RAeS
23	1997	Dresden	G	Deutsche Gesellschaft für Luft- und Raumfahrt - Lilienthal-Oberth e.V. DGLR
24	1998	Marseille	F	Association Aéronautique et Astronautique de France AAAF
25	1999	Rome	I	Associazione Italiana di Aerotecnica e Astronautica AIDAA
26	2000	The Hague	NL	Netherlands Association of Aeronautical Engineers NVvL
27	2001	Moscow	R	
28	2002	Bristol	UK	Royal Aeronautical Society RAeS
29	2003	Friedrichshafen	G	Deutsche Gesellschaft für Luft- und Raumfahrt - Lilienthal-Oberth e.V. DGLR
30	2004	Marseille	F	Association Aéronautique et Astronautique de France AAAF
31	2005	Florence	I	Associazione Italiana di Aerotecnica e Astronautica AIDAA
32	2006	Maastricht	NL	Netherlands Association of Aeronautical Engineers NVvL
33	2007	Kazan	R	
34	2008	Liverpool	UK	Royal Aeronautical Society RAeS
35	2009	Hamburg	G	Deutsche Gesellschaft für Luft- und Raumfahrt - Lilienthal-Oberth e.V. DGLR