



ICAS



2018 summary and 2019 perspective

Finland's ICAS connection

M. Kanerva

Content

- ICAS Summary for 2018
- TUT / Tampere University now happening
- ICAS-Finland 2019 activities



ICAS 2018

September 9TH - 14TH

Belo Horizonte MG Brazil

- Congress year, see: <https://www.youtube.com/watch?v=5ap53kvpNdl>
- ICAS 31st congress at Belo Horizonte, Brazil
- Finland represented by two papers, three researchers
https://www.icas.org/ICAS_ARCHIVE/ICAS2018/icas2018_materials.html



31st Congress of the International Council
of the Aeronautical Sciences

Belo Horizonte, Brazil; September 09-14, 2018

MULTI-SITE DELAMINATION ANALYSIS USING VIRTUAL CRACK CLOSURE TECHNIQUE FOR A COMPOSITE AIRCRAFT WING FLAP

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Keywords: Multi-site damage, Finite element analysis, Fighter aircraft, Flap



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ARAMID-FIBER REINFORCED ELASTOMERS AS FUTURE AIRCRAFT ACTUATORS—A PROOF-OF-CONCEPT INVESTIGATION

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Keywords: Actuator, Elastomer, Composite, Conceptual design, Finite element analysis



ICAS 2018

- ICAS stronger differentiates between real partners and the rest – ICAS seeks for connection to society-specific strategies (MERSC)
- New web site and new logo developed (ongoing)
- ICAS pursues to clarify the meaning of ICAS Proceedings (PC)
- Finland being involved in:
 - Programme committee (PC)
 - Members and External Relations Sub-committee (MERSC)
 - Chairing the Early Career Sub-committee (ECSC)

In ICAS 2018 congress, ECSC managed two sessions and Youtube videos

ICAS 2018 / ECSC



- **ICAS Special session** (by K. Schwartz)
Panel chair: Fay Collier (NASA, Langley)
Panelist 1: John Bonet (The Boeing Company)
Panelist 2: Chris Droney (The Boeing Company)
Panelist 3: Brian Yutko (Aurora Flight Sciences)
Panelist 4: Mark Paige (DZYNE)
- **Speed mentoring** (by E. Itoh)
Approx 25 experts of the field discussing with students/early careers
- **Poster Booster** videos (by M. Kanerva)
<https://www.youtube.com/watch?v=JbSHG7IjATQ>
<https://www.youtube.com/watch?v=4dA0erSS6cg&feature=youtu.be>



ICAS / FSAE (IIK)

- In the joint seminar by FSAE, SAMPE Finland, and TUT,

International Affairs 1

Prof. Javid Bayandor was nominated the Honorary Visiting Professor



Dr. Javid Bayandor

Honorary Visiting Professor

Established after the distinguished presentation and response in the International Affairs actions

Nominated by the Finnish Society of Aeronautical Engineers (FSAE) 'Ilmailuinsinöörien Kerho (IIK)' Representing Finland in ICAS

21.3.2018

FSAE committee
Jarno Jokinen

FSAE-ICAS official
Mikko Kanerva



TUT merges



- 2019 starts the new university, Tampere University
- Also, the new research group of aeronautical engineering is launched
- Industrial Professor (associate)
Dr. Stephen Wright (UK, Leeds)
- During 2019, the target is to shift the duty of Finland's ICAS connection to Dr. Wright



Ilmailuinsinöörien kerho
F S A E

ICAS

ICAS-Finland activities 2019

- Historically, Finland will arrange the ICAS EC meeting for the first time
- Venue: Helsinki downtown, April (29. / 30.) 2019
- Strictly limited to ICAS executive committee members (total 20)
- Aim to introduce Finnish aeronautics (aerospace?) field as well

ICAS EC meeting Invitation by FSAE / TEK

Presented by:

Mikko Kanerva

FSAE Officer
SAMPE Finland Treasurer
Professor (tenure) Tampere University of Technology



*Suomi
Finland*
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