Annual General Meeting
Barcelona

- Tensinews issues
- Symposium 2016
- Research collaboration (COST) WG
TensiNews 2015 / 28 – 29
TensiNews 2016 / call for 30

- Tensinews issues
- Symposium 2016
- Research collaboration (COST) WG

Barcelona 20th October 2015
TENSINET - COST ACTION TU1303 SYMPOSIUM 2016

Novel structural skins
26 - 28 October 2016

TOPICS
1/ New applications of structural skins and new concepts
2/ Sustainability and Life Cycle Analysis of structural skins
3/ Building physics and energy performance of structural skins
4/ Materials and analysis
5/ From material to structure and limit states: codes and standardization
6/ Others

The organising committee welcomes presentations on built projects, especially if they can illustrate advancements related to the topics (1) to (5).

Barcelona 20th October 2015

TENSINET - COST ACTION TU1303 SYMPOSIUM 2016

Novel structural skins
26 - 28 October 2016

http://conferences.ncl.ac.uk/tensinet2016/

LOCATION
Newcastle University, Great North Museum: Hancock.

Local Committee
- Peter Gosling
- Ben Bridgens
- John Chilton
- Paolo Beccarelli
- Benedikt Whybrow

Barcelona 20th October 2015
TENSINET - COST ACTION TU1303 SYMPOSIUM 2016
Novel structural skins
26 - 28 October 2016

KEYNOTE SPEAKERS
Prominent experts in the membrane architecture and engineering world will introduce each plenary session.

- Raul Fangueiro (University of Minho)
- Al Fisher (Buro Happold)
- Jan Knippers (ITKE, University of Stuttgart)
- Julien Lienhard (str.ucture)
- ...

Barcelona 20th October 2015

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Novel structural skins
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KEYNOTE SPEAKERS
Prominent experts in the membrane architecture and engineering world will introduce each plenary session.

- Carl Mayward (Vector Foiltec)
- Gordon Mungall (Arup)
- Patrik Schumacher (Zaha Hadid Architects)
- Jürgen Wacker (Wacker Ingenieure)
- Martin Tamke (Royal Danish Academy of Fine Arts)

Barcelona 20th October 2015
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CALL FOR ABSTRACT / PAPER

Deadlines
- Abstract submission - 30 October 2015
- Abstract acceptance - 18 December 2015
- Paper submission - 1 March 2016
- Paper acceptance - 1 May 2016

The publisher of the symposium proceedings is Elsevier. The proceedings will be published in an online issue of Procedia Engineering on www.ScienceDirect.com and be made freely accessible in perpetuity to a worldwide audience.

Barcelona 20th October 2015

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TENSINET - COST ACTION TU1303 SYMPOSIUM 2016

Novel structural skins
26 - 28 October 2016

EXCURSION on Saturday to Alnwick Castle

Barcelona 20th October 2015
COST – research collaboration

**Novel structural skins:** Improving sustainability and efficiency through new structural textile materials and designs

http://www.novelstructuralskins.eu/

Next meetings

- **Milan 2016** / 16 & 17 March 2016
- **Newcastle 2016** / 26 – 28 October 2016 (TensiNet – COST Symposium)
COST – research collaboration

5 WGs

1/ New applications of structural skins and new concepts
   Prof. Lars De Laet; Prof. Tim Ibell

2/ Sustainability and Life Cycle Analysis of structural skins
   Prof. Alessandra Zanelli; Prof. Jan Cremers

3/ Building physics and energy performance of structural skins
   Prof. John Chilton; Dr. Monika Rychtárková

4/ Materials and analysis
   Prof. Peter Gosling; Prof. Natalie Stranghöner

5/ From material to structure and limit states: codes and standardization
   Prof. Marijke Mollaert; Dr. Jean-Christophe Thomas

Barcelona 20th October 2015

COST – research collaboration

Sustainability and Life Cycle Analysis of structural skins

Alessandra Zanelli - POLIMI
**Questionnaire**

SOTA Status Report on LCA works

**Towards a “LIFE CYCLE” DESIGN GUIDE Chapter**

**Multidisciplinarity**

**WG2: Sustainability and LCA TASKS**

Jan 2014, PARIS

March 2014, BERLIN SOTA

Sept 2014, BRUSSELS Questionnaire

March 2015, DENKENDORF Multi-disciplinarity

Sept 2015, GUIMARAES SOTA

March 2016, MILAN Status-Report on LCA works

Sept 2016, NEW CASTLE Towards a “LIFE CYCLE” DESIGN GUIDE Chapter

...NEXT CROSS–LINKED ACTIVITY

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**Progress report of WG2**

**NOVEL STRUCTURAL SKINS**

Improving sustainability and efficiency throughout new structural textile materials and designs

Questionnaire Sustainability TU1303

**Aims of the Questionnaire:**

1. updating on the research needs (2004)

2. Enlarge the active role of firms, producers, supplies in WG2

3. Create a “Status report” on LCA works in the field of membrane structures

Barcelona 20th October 2015
Progress report of WG2

NOVEL
STRUCTURAL SKINS

Improving sustainability and efficiency throughout new structural textile materials and designs

Questionnaire Sustainability TU1303

Open questions are very important
Send us by e-mail:
carol.monticelli@polimi.it
alessandra.zanelli@polimi.it

Barcelona 20th October 2015

COST – research collaboration

From material to structure and limit states: codes and standardization

Marijke Mollaert - VUB

Barcelona 20th October 2015