

TensiNet Symposium 2019

Softening the Habitats.
Sustainable innovation in Minimal Mass
Structures and Lightweight Architectures

Politecnico di Milano
3-5 June 2019
Milan – Italy

For more information please visit and contact us at

www.tensinet2019.polimi.it

tensinet2019info@polimi.it

#softeningthehabitats

TS
19

THE 6TH TENSINET
SYMPOSIUM 2019
MILAN, ITALY
3-5 JUNE

SOFTENING THE HABITATS

SUSTAINABLE INNOVATION IN MINIMAL MASS STRUCTURES AND LIGHTWEIGHT ARCHITECTURES

The 6TH TensiNet Symposium 2019, 3-5 June, Milan – Italy

Softening the Habitats:

Sustainable Innovation in Minimal Mass
Structures and Lightweight Architectures

The 2019 TensiNet edition will open a twofold reflection
- by means of the conference and the exhibition - on
current innovations, trends and strategies in the field of
lightweight membrane structures.

The Conference

Three plenary sessions – Soft Structures, Softening the
Environment and Soft Skins, plus five parallel sessions
will open new ways up for softening the habitats.
In particular, in the second afternoon a panel session will
be devoted to an IASS joined session on the WG 18:
Environmental Compatible Membrane Structures semi-
nar advancements. Furthermore, an Open Talk will be the
chance to spread and take feedback from sharing the
advancements of the TensiNet Working Groups.

IN.TENSION

With the title IN.TENSION, taking place from the 3rd to
the 15th of June 2019, the exhibition will focus on the
future of lightweight structures in the context of sustain-
able development, with the intention of making advance-
ments in the field more widespread among the common
building construction practice.

Symposium Secretariat

TS2019 Organizing Committee

Politecnico di Milano

Alessandra Zanelli | Carol Monticelli

TensiNet association

Evi Corne | Marijke Mollaert | Bernd Stimpfle

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Alessandra Zanelli | Politecnico di Milano, Italy

Walter Zech | Eccon, Germany

Monday, 3 June

Registration & Welcome ① 8:30 AM

SOFT STRUCTURES ①
Chairs: Marijke Mollaert, Bernd Stimpfle

Plenary session 9:30 - 11:15 AM

Coffee Break 11:15 - 11:30 AM

Keynote lectures 11:30 - 1:00 PM

Introduction to the Exhibition 1:00 - 1:10 PM

Lunch Break ⑥ 1:10 - 2:00 PM

Parallel sessions ③a ③b 2:00 - 5:40 PM

MOVEMENT IN LIGHTWEIGHT STRUCTURES

Chairs:
Natalie Stranghöner,
Martin Tamke

Demountable structures

③a 2:00 - 3:40 PM

RECENTLY BUILT LIGHTWEIGHT STRUCTURES

Chairs:
Josep Llorens,
Jean-Christophe Thomas

Pneumatic structures
Air-supported structures

③b 2:00 - 3:40 PM

Coffee Break ⑥ 3:40 - 4:00 PM

Kinetic, Kinematic and Foldable structures

③a 4:00 - 5:40 PM

Complex/ Hybrid structures

③b 4:00 - 5:40 PM

Field Trip 6:00 - 7:30 PM

Tuesday, 4 June

Welcome ① 8:45 AM

SOFTENING THE ENVIRONMENT ①
Chairs: Carol Monticelli, Peter Gosling

Plenary session 9:00 - 11:15 AM

Coffee Break 11:15 - 11:30 AM

Keynote lectures 11:30 - 1:00 PM

Exhibition / Poster session ⑤ 1:00 - 2:00 PM

Lunch Break ⑥ 1:00 - 2:00 PM

Parallel session ③a ③b 2:00 - 3:40 PM

ENVIRONMENTAL COMPATIBLE MEMBRANE STRUCTURES *

Chairs: Carol Monticelli,
Petr Vegh

③a 2:00 - 3:40 PM

MATERIAL ANALYSIS AND PERFORMANCE ASSESSMENT

Chair: Peter Gosling

③b 2:00 - 3:40 PM

* Joined IASS WG18 seminar

Coffee Break ⑥ 3:40 - 4:00 PM

OPEN TALK session ②
on the main topics of the
TensiNet Working Groups 4:00 - 5:30 PM
Chairs: Stefania Lombardi, Bernd Stimpfle

TensiNet Partner Meeting 6:00 - 7:00 PM

Social Dinner 8:30 PM

Wednesday, 5 June

Welcome ① 8:45 AM

SOFT SKINS ①
Chairs: Alessandra Zanelli, Julian Lienhard

Plenary session 9:00 - 11:15 AM

Coffee Break 11:15 - 11:30 AM

Keynote lectures 11:30 - 1:00 PM

Exhibition / Poster session ⑤ 1:00 - 2:00 PM

Lunch Break ⑥ 1:00 - 2:00 PM

Parallel sessions ③a ③b 2:00 - 5:40 PM

ADAPTIVITY OF MEMBRANE-BASED SKINS

Chairs: Adriana Angelotti,
Benson Lau

Extreme living +
Design & Simulation

③a 2:00 - 3:40 PM

ADAPTIVITY OF TRANSPARENT FOIL-BASED SKINS

Chairs: Giorgio Novati,
Monika Rychtáriková

Extreme living +
Design & Simulation

③b 2:00 - 3:40 PM

Coffee Break ⑥ 3:40 - 4:00 PM

Thermal & acoustic comfort

③a 4:00 - 5:40 PM

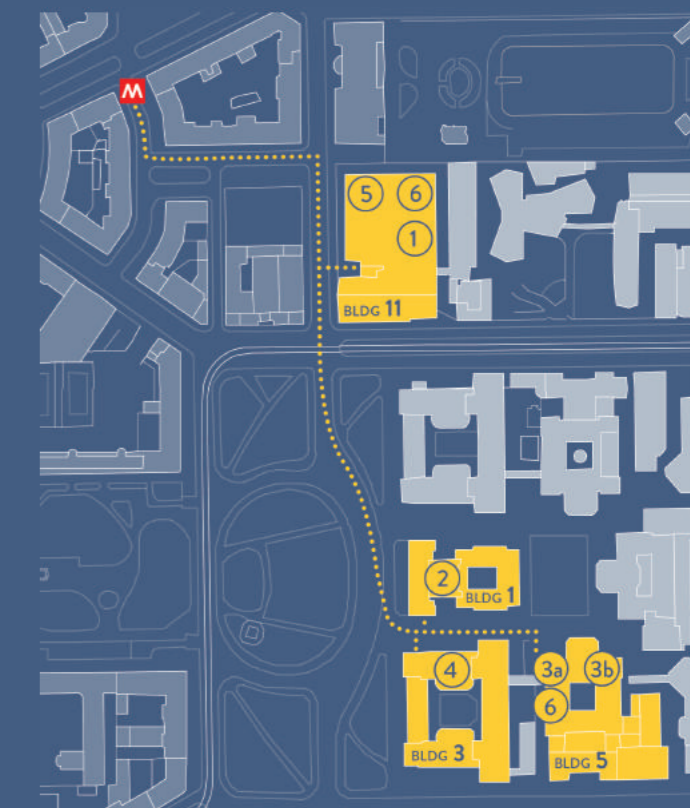
Thermal & acoustic comfort

③b 4:00 - 5:40 PM

Conclusion 6:00 - 6:30 PM

Participate in the TensiNet Symposium 2019

Call for Papers | deadline: 31 October, 2018
Call for Exhibiting Posters | deadline: 15 November, 2018
Call for Exhibiting Prototypes | deadline: 31 Jan, 2019
Early bird registration | until: 28 February, 2019



- ① Aula E. N. Rogers | Building 11
- ② Aula Magna | Building 1
- ③a Aula Beltrami | Building 5
- ③b Aula Castigliano | Building 5
- ④ Aula De Donato | Building 3
- ⑤ Guido Nardi Exhibition room | Building 11
- ⑥ Lunch Area | Building 5, Building 11