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

SUSTAINABLE INNOVATION IN MINIMAL MASS STRUCTURES AND LIGHTWEIGHT ARCHITECTURES

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 to softening the habitats. The conference will be devoted to an ASSIST session on the WG BMe Environmental Compliant Membrane Structures. The exhibition, in addition to the plenary lectures, will feature an Open Talk, where the conference is the chance to spread and take feedback from sharing the advancements of the TensiNet Working Groups.

The IN.TENSION exhibition

At a natural crossroad of the conference, the exhibition entitled IN.TENSION is an open space that will highlight the latest research advances in the field of tensile construction systems and materials by means of a collection of mock-ups. The IN.TENSION will take place from the 3rd to the 15th June. The exhibition will be held at the Politecnico di Milano in June 2019.

The conference will take place from the 3rd to the 5th June. The conference will be held at the Politecnico di Milano in Milan – Italy.
### SOFTENING THE HABITATS 2019, THE 6TH TENSINET INTERNATIONAL CONFERENCE

**Monday, 3 June**
- **Registration & Welcome** 8:30 AM

**SOFT STRUCTURES**
- **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** 1:10 - 2:00 PM

**Parallel sessions**
- **MOVEMENT IN LIGHTWEIGHT STRUCTURES**
  - **Chairs:** Natalie Strengbom, Martin Tanke
  - Demountable structures 2:00 - 3:40 PM
  - Kinetic, Kinematic and Foldable structures 3:40 - 4:00 PM

- **RECENTLY BUILT LIGHTWEIGHT STRUCTURES**
  - **Chairs:** Josep Llorens, Jean-Christophe Thomas
  - Pneumatic structures 2:00 - 3:40 PM
  - Air-supported structures 3:40 - 4:00 PM

- **Coffee Break** 3:40 - 4:00 PM

**Field Trip** 6:00 - 7:30 PM

**Tuesday, 4 June**
- **Welcome** 8:45 AM

**SOFTENING THE ENVIRONMENT**
- **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** 1:00 - 2:00 PM

**Lunch Break** 1:00 - 2:00 PM

**Parallel sessions**
- **ENVIRONMENTAL COMPATIBLE MEMBRANE STRUCTURES**
  - **Chairs:** Carol Monticelli, Peter Vegh
  - 2:00 - 3:40 PM

- **MATERIAL ANALYSIS AND PERFORMANCE ASSESSMENT**
  - **Chair:** Peter Gosling
  - 2:00 - 3:40 PM

- **Coffee Break** 3:40 - 4:00 PM

**OPEN TALK session** on the main topics of the TensiNet Working Groups
- **Chairs:** Stefano Lombard, Bernd Stimpfle
  - 4:00 - 5:30 PM

**TensiNet Partner Meeting** 6:00 - 7:00 PM

**Social Dinner** 8:30 PM

**Wednesday, 5 June**
- **Welcome** 8:45 AM

**SOFT SKINS**
- **Chairs:** Alessandra Zanelli, Julian Linhard
  - Plenary session 9:00 - 11:15 AM
  - Coffee Break 11:15 - 11:30 AM
  - Keynote lectures 11:30 - 1:00 PM

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

**Lunch Break** 1:00 - 2:00 PM

**Parallel sessions**
- **ADAPTIVITY OF TRANSPARENT FOIL-BASED SKINS**
  - **Chairs:** Giorgio Novati, Monika Rychta
  - 2:00 - 3:40 PM
  - Extreme living + Design & Simulation 3:40 - 4:00 PM

- **ADAPTIVITY OF MEMBRANE-BASED SKINS**
  - **Chairs:** Adriana Angelotti, Benson Lau
  - 2:00 - 3:40 PM
  - Extreme living + Design & Simulation 3:40 - 4:00 PM

- **Coffee Break** 3:40 - 4:00 PM

**Thermal & acoustic comfort**
- 4:00 - 5:40 PM

**Conclusion** 5:00 - 6:30 PM

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**IN.TENSION exhibition**
- As a natural counterbalance of the conference, the exhibition entitled IN.TENSION launches two exhibiting modes, one for posters and one for prototypes.
- The IN.TENSION poster exhibition aims at presenting cutting-edge projects, techniques and materials that have the potential of changing the construction and lifespan of lightweight structures.
- The IN.TENSION prototype exhibition highlights the latest research advances in the field of tensile construction systems and materials by means of a collection of mock-ups.

The conference will take place from the 3rd to the 5th, IN.TENSION from the 3rd to the 15th. The both of them will be held at the Politecnico di Milano in June 2019.