The IASS Executive Council (EC), during the September 2017 meeting in Hamburg, approved the following decisions related to Working Groups:

- **WG 8 – Metal Spatial Structures.** Prof. Shiro Kato has stepped down as WG 8 chair. The IASS President has appointed Prof. Toru Takeuchi as new chair. Prof. Su-Duo Xue remains as co-chair, together with Prof. Kato.

- **WG 17 – Historical Spatial Structures.** Prof. Görün Arun has stepped down as WG 17 chair. The IASS president has appointed Prof. Edmond Salklis as new chair, and Dr. Romuald Tarczewski as co-chair.

The IASS President and the EC members expressed their gratitude to Prof. Kato and Prof. Arun for their commitment and achievements as past chairs of their groups, and wished the best success to the new chairs.

The EC approved the creation of a new **Working Group 21 on “Advanced Manufacturing and Materials”.** Sergio Pellegrino appointed Eng. Arno Pronk as chair and Dr. John Orr as co-chair. With this new group, the IASS recognizes the growing interest that new modelling software, fabrication techniques and smart materials arise among the members of the Association.

### 2.2. Summary of Working Group activities

A summary of the main activities of each of the active Working Groups is included in the following pages. Further details may be found on the corresponding WG website.
WG 3 Cooling and Solar Updraft Towers
Prof. Reinhard HARTE (Chair)
- Organized ICCT2016 International Conference on Industrial Chimneys and Cooling Towers in Rotterdam, 5-8 October 2016
- Has performed several research projects on the WG topics.
- Organizes a session at IASS 2017 Hamburg and collaborates in symposium organization.
- Current membership: 19 IASS Members

WG 4 Technical Expert Group on Masts and Towers
Eng. Mogens G. NIELSEN (Chair), Eng. Thomas LAURSEN (Secretary)
- Organized the bi-annual group meeting in Beijing in September 2017.
- Current membership: 45 IASS Members

WG 5 Concrete Shell Roofs
Prof. Sigrid ADRIAENSSENS, Prof. Philippe BLOCK (Chairs)
- Coordinated, contributed and edited a special issue of the Journal of the IASS on New Directions for Shell Structures.
- Organizes a session at IASS 2017 Hamburg.
- Current membership: 34 IASS Members

WG 6 Tension and Membrane Structures
Prof. Ken’ichi KAWAGUCHI (Chair), Prof. Marijke MOLLAERT, Prof. Ronald SCHAEFFER (Co-Chairs)
- Organized the TENSINET - COST ACTION TU1303 SYMPOSIUM 2016 at the University of Newcastle, 26-29 October 2016
- Chairs of the WG participated in SEWC Colloquium in Bangalore, July 2017
- Designed a membrane-tensegrity structure at Kashiwa campus, Univ. of Tokyo
- Current membership: 28 IASS Members

WG 8 Metal Spatial Structures
Prof. Toru TAKEUCHI (Chair), Prof. Su-Duo XUE (Co-chair), Prof. Shiro KATO, (Co-Chair)
- Organizes a session at IASS 2017 Hamburg.
- Continues collecting suggestions to the Guide to Buckling Load Evaluation of Metal Roof Spatial Structures.
- Continues the preparation of a Guide to Earthquake Response Evaluation of Metal Roof Spatial Structures.
- Current membership: 28 IASS members.

WG 12 Timber Spatial Structures
Dr. Andreas FALK (Chair), Prof. Minjuan HE (Co-Chair)
- Organizes two sessions at IASS 2017 Hamburg.
- Current membership: 24 IASS members.

WG 13 Computational Methods
Prof. Makoto OHSAKI, Prof. Kai-Uwe BLETZINGER, Dr. Carlos LÁZARO (Co-Chairs)
- Organizes two sessions at IASS 2017 Hamburg.
- Organizes Structural Membranes 2017, 9-11 October, Munich, and two specific sessions at this conference.
- Current membership: 25 IASS Members.
3. FINAL REMARKS

IASS Working Groups are the center of the technical and scientific activities of the association. They evolve and adapt to new fields of interest and action of IASS members.

I would like to acknowledge the efforts of all Working Group chairs in coordinating the WG activities, recruiting members, preparing reports and technical documentation, and contributing the Organized Sessions at the various recent Symposia. I also stress the gratitude of the association to the Chairs who are leaving their office. I encourage all IASS members to participate in the groups, and all Working Groups to progress in their activities.

### WG 15 Structural Morphology

**Prof. Niels DE TEMMERMAN (Chair)**
- Designed ReciPlyDome, a transformable reciprocal frame with bending-active elements.
- Organizes four sessions at IASS 2017 Hamburg.
- Plans to review the current study group plan, and the mission and objectives of the group.
- Current membership: 71 IASS Members.

### WG 17 Historical Spatial Structures

**Prof. Edmond SALIKLIS (Chair), Dr. Romuald TARCZEWSKI (Co-Chair), Prof. Görün ARUN (Past Chair)**
- The group is currently discussing its mission and objectives.
- Organized the 4th International Conference on Structural Health Assessment of Timber Structures (SHATIS’17) in Istanbul, 13-17 September 2017
- Organizes two sessions at IASS 2017 Hamburg.
- Current membership: 28 IASS Members.

### WG 18 Environmentally Compatible Structures

**Dr. Petr VEGH (Chair)**
- Organizes a session at IASS 2017 Hamburg.
- Current membership: 5 IASS Members.

### WG 20 Teaching of Shell and Spatial Structures

**Prof. Olga POPOVIC LARSEN (Chair), Eng. Alireza BEHNEJAD (Co-Chair)**
- Organizes two sessions at IASS 2017 Hamburg.
- Current membership: 31 IASS Members.

### WG 21 Advanced Manufacturing and Materials

**Eng. Arno PRONK (Chair), Dr. John ORR (Co-Chair)**
- WG 21 has been created at the EC meeting in Hamburg.
- Mission of the group is the construction of lightweight structures by cutting-edge techniques and smart materials for the built environment.
- Current membership: 24 IASS Members.