



11th Conference of the International Shoulder Group ISG

14-16th July 2015, Winterthur, Switzerland

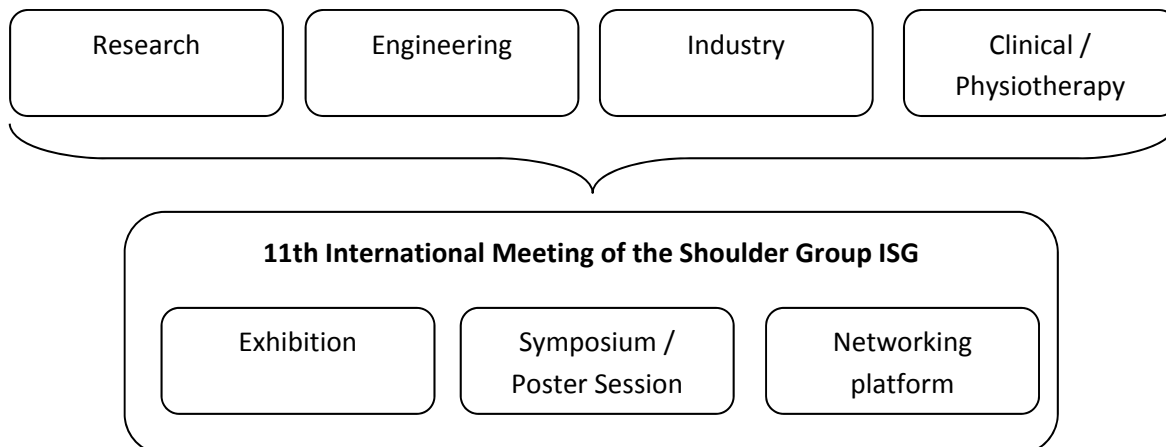
University of Applied Sciences ZHAW, IMES Institute for Mechanical Systems

The Institution: International Shoulder Group (ISG)

The International Shoulder Group (ISG) is a collaboration of mostly biomechanically oriented research groups, whose main interest is in the shoulder. The ISG has been a Technical Group of the International Society of Biomechanics since 1999. The ISG aims to enhance shoulder research by creating a platform for discussion and the exchange of information, software and data.

Aim of the Conference

The key target of the Conference is an exchange of scientific knowledge among researchers, clinicians and physiotherapists about shoulder biomechanics. An industrial Symposium supports the interaction between suppliers of medical technology and their operators. The Conference covers topics in computer modelling and simulation, movement analysis studies and clinical trials as well as experimental biomechanics.



Venue: Zurich University of Applied Sciences ZHAW

The Zurich University of Applied Sciences ZHAW in Winterthur is one of the largest Universities of Applied Sciences. Currently, the University has eight schools, covering architecture and civil engineering, health, linguistics, life sciences and facility management, applied psychology, social work, engineering and Management&Law.

The IMES Institute of Mechanical Engineering as part of the School of Engineering involves also the Laboratory for Biomechanics. The Laboratory focuses on the design and testing of orthopedic implants and in the development of multi-axial experimental testing machines. In particular, the field of ergonomics has become one important research area to perform user studies with subjects/patients.

Close research collaboration exists with the Health Department of the ZHAW together with physiotherapists.



Conference Chair

Daniel Baumgartner

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Scientific topics

The 11th International Shoulder Conference provides you with practical contributions to different topics in shoulder biomechanics and comprises 8 scientific sessions. The sessions may contain topics about Computer Modelling and Muskuloskeletal Simulation, Finite Elemente Modelling, Implant technology e.g. artificial joints, OP-procedures, Clinical scoring, human movement science and socio economic considerations of healthcare systems.

- Rotator Cuff and Fatigue
- Modelling
- Ergonomics
- Neurological
- Clinical / Prosthetics
- Population/Performance
- Athletics
- Methods

All participants will receive a CD with the seminar proceedings.

Focus Groups

The Conference of the ISG is addressed to:

- Researchers in the field of Computer simulation, (Finite-Elemente) modelling and experimental biomechanics of the human shoulder
- Engineers in Biomechanical Engineering from development and technical departments in orthopedics and medical device technology
- Suppliers and providers of specialized services, measurement techniques, soft & hardware & design tools in the field of orthopedic biomechanics
- Academia: Students and others who are interested in practical issues of shoulder biomechanics



(Provisional) Schedule

The conference will begin Thursday evening, July 14th, with a welcoming reception at 6:30 p.m. Friday and Saturday will both feature keynote speakers and podium sessions, as well as poster presentations. The conference dinner will take place on Friday the 15th.

Thursday July 14, 2016

- 1:00 p.m. Registration
- 2:00 p.m. Pre-course: Half-Day openSim Workshop
(Bring your own laptop with the openSim Software (freeware) installed)
- 6:30 p.m. Opening reception

Friday July 15, 2016

- 8:00 a.m. Registration and coffee
- 9:00 a.m. Welcome
- 9:15 a.m. Keynote 1
- 10:15 a.m. Podium session 1: Rotator Cuff and Fatigue (4)
- 11:15 a.m. Coffee break
- 11:45 a.m. Podium session 2: Modeling (5)
- 1:00 p.m. Lunch
- 2:00 p.m. Poster session
- 3:00 p.m. Podium session 3: Ergonomics (4)
- 4:00 p.m. Break
- 4:30 p.m. Podium session 4: Neurological (4)
- 5:30 p.m. Lab tours
- 7:00 p.m. Conference dinner

Saturday July 16, 2016

- 9:00 a.m. Keynote 2
- 10:00 a.m. Podium session 5: Clinical (5)
- 11:15 a.m. Coffee break
- 11:45 a.m. Podium session 6: Population/Performance (5)
- 1:00 p.m. Lunch
- 2:00 p.m. Podium session 7: Athletics (6)
- 3:30 p.m. Break
- 4:00 p.m. Podium session 8: Methods (5)
- 5:15 p.m. ISG Meeting and close

Poster and podium formats

Posters should be no larger than 3 feet wide by 4 feet tall (DIN A0). You are also welcome to bring a laptop or other display device to supplement your poster if you wish.



Podium presentations will be approx. 15 minutes each. Please aim to speak for about 10 minutes, and allow 5 minutes for questions. A computer with Powerpoint and Acrobat Reader will be available.

Abstract submission

Abstract submission deadline: February 12, 2016

Acceptance notification: March 14, 2016

Accommodation & Travel

Accommodation: Winterthur has plenty of options to host more than 100 Conference participants. Less expensive hosts such as the depot195 (www.depot195.ch) or the Ibis Hotel are available with double rooms for single use starting from 90 Swiss Francs (CHF**). Others are Hotel Loge (www.hotelloge.ch), Best Western Hotel Wartmann (www.wartmann.ch) or Hotel Krone www.kronewinterthur.ch) all in between 120-180 for a double. All Hotels offer Conference rates. Shared rooms as cheap option are available at the Albani Hotel for less than 50 CHF (www.albani.ch).

Travel to Winterthur, Zurich: The International Airport in Zurich (www.flughafen-zuerich.ch) is located only 15km far from Winterthur, which takes approximately 15 min by train (every 15 Min). The airport in Basel (Basel-Mulhouse) is another international airport, within a driving distance of 1 ½ h to Winterthur.