

The IFESS board is very happy to launch the first "IFESS Newsletter". We aim at sharing important information from the IFESS society with you on regular basis and also at providing a space where each member can communicate important news or information to our community. Welcome on board and enjoy!

NEWS FROM IFESS

International Industry Society in Advanced Rehabilitation Technology (IISART) is associate member of IFESS. As most of you might already know

IFESS and IISART have signed an agreement to grant to each other an associated membership. The mission of IISART is to advance and promote modern healthcare technology in rehabilitation for the benefit of the patient and society at large. The main focus is on Robotics, Virtual Rehabilitation and Functional Electrical Stimulation. IISART represents the interests of companies developing, manufacturing, and marketing medical devices and their accessories and active capital medical equipment in the field of robotics and advanced healthcare technology in rehabilitation. With **Hasomed GmbH** we have a first IISART manufacturing company member with strong assets in FES. I hope more FES companies will join IISART and help position FES together with other advanced rehabilitation technologies at healthcare authorities and health technology assessment agencies. Today, I would like to draw your attention to current activities of IISART's Education Working Group. In their mission to provide educational tools for advanced education, and to device manufactures and end users the group is putting together **Slide Decks** that will be available for download in the **Service** section of the IISART website. IISART would like to ask you, experts in FES, for contributions to cover the FES parts, e.g. with slides you are using in your teaching activities. The following slide decks will be available and include a section on FES: Basic Knowledge, History, Principles, Scientific Evidence, Examples, General Trends, and Engineering perspective. **Interested to contribute?** Please send an e-mail to thierry.keller@tecnalia.com

2015, May 8-9 Conference of the IFESS UK & Ireland Chapter. Sheffield Teaching Hospital's Medical Physics department in collaboration with Sheffield Hallam University is delighted to host the 5th Conference of the UK & Ireland Chapter International Functional Electrical Stimulation Society. Research into FES has reached an exciting stage and the conference will provide an opportunity for researchers, clinicians, patients, companies, charities and other interested parties to meet and share the latest research and clinical experience in FES. The main conference will be held at Sheffield Hallam University, located in the heart of the picturesque city of Sheffield, UK. The conference dinner will be held at Cutlers' Hall, also located within Sheffield city centre. For more details on Sheffield and the surrounding area please visit the Welcome to Sheffield website.



2015, October 14-16 IFESS Conference, Chicago, USA

The planning for IFESS 2015 and the 20th Anniversary Celebration of IFESS is in full swing. The IFESS BOD has scheduled our conference immediately before SfN, with both events being held in the fabulous city of Chicago, Illinois, USA. IFESS 2015 will be held at the Illinois Institute of Technology, just minutes from downtown Chicago. Plan to attend both events while enjoying Chicago's culture, location, and international cuisine. As the IFESS BOD considers the next chapter for IFESS, we want the 2015 conference to set the tone for the future. We need your help in suggesting conference special sessions, brainstorming about the selection of plenary speakers, and contacting potential sponsors. IFESS is a unique society that can merge the participation of academic, clinical, and industrial partners. In the near future, you will receive emails soliciting your suggestions for the planning of the 20th Anniversary celebration. Start now, thinking about what sessions you would like to us to plan, the speakers you would like to hear, and which sponsors we can attract. Watch the [conference website](#) as our society plans to celebrate the past, and anticipate the future.



IFESS 2015 will be THE FES EVENT in 2015! Don't wait – save the date and send your conference planning suggestions to Phil Troyk, Conference Chair, at: troyk@iit.edu

MEMBERS' CORNER

Any IFESS member can contribute by sending a message to christine.azevedo@inria.fr (150 words max).

Conferences announcement

⊙2015, March 6 [Workshop on EMF Interaction with Excitable Tissues, Madrid, Spain](#)

The COST Action BM1309: European network for innovative uses of EMFs in biomedical applications (EMF-MED) organizes its first workshop. External participants, specifically IFESS members are invited to participate. The attendance is free. Detailed infos can be obtained here: <http://cost-emf-med.eu/> Those of you that cannot come, but would like to contribute, let me know which needs you have from EMF researchers for the FES field. As president of IFESS I have been invited to give a lecture at this workshop and was specifically asked to present to the EMF research community the IFESS research needs in the next 5-10 years. **Any needs and wishes?** Please send an e-mail to thierry.keller@tecnalia.com.

⊙2015, April 22-24 [IEEE EMBS Neural Engineering Conference in Montpellier, France](#)

⊙2015, May 26 [Workshop on Rehabilitation Robotics and Human-Robot Interaction, at ICRA2015 Washington, USA](#)

⊙2015, June 9-12, [RehabWeek, Valencia, Spain](#)

⊙2015, August 31 – Sept. 2 [IFAC Symposium on Biological and Medical Systems, Berlin, Germany.](#)

⊙2015, September 13-18 [Summer School on Neurorehabilitation, El Saler \(Valencia\), Spain](#)

⊙2015, August 25-29 [Annual International Conference of IEEE EMS, MiCo, Milan, Italy.](#)

New publications

⊙S.M. Danner, U.S. Hofstoetter, B. Freundl, H. Binder, W. Mayr, F. Rattay and K. Minassia, [Human spinal locomotor control is based on flexibly organized burst generators](#). Brain, Jan 12, 2015.

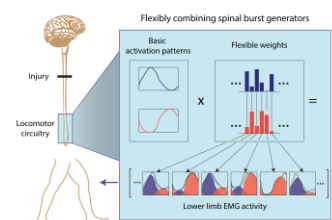
⊙D.B. Popović, [Advances in functional electrical stimulation \(FES\)](#), Journal of Electromyography and Kinesiology, Volume 24, Issue 6, 2014.

⊙C.V. Shendkar, P.K. Lenka, Abhishek Biswas, Ratnesh Kumar, D Ortho, M. Mahadevappa, [Therapeutic effects of functional electrical stimulation on gait, motor recovery, and motor cortex in stroke survivors](#), Hong Kong Physiotherapy Journal, 2015.

⊙B.C. Craven, S.C. Hadi, M.R. Popovic, [Functional Electrical Stimulation Therapy: Enabling Function Through Reaching and Grasping](#), International Handbook of Occupational Therapy Interventions, 2014.

⊙M. Kafri, Y. Laufer. [Therapeutic Effects of Functional Electrical Stimulation on Gait in Individuals Post-Stroke](#). Annals of Biomedical Engineering, Springer Verlag, 2014.

⊙A.K. Vafadar, J.N. Cotè, and P.S. Archambault. [Effectiveness of functional electrical stimulation in improving clinical outcomes in the upper arm following stroke: A systematic review and meta-analysis](#). Biomed Res Int, 2015.



New FES Product launched in Canada [MyndMove™](#), by company MyndTec Inc.



Next IFESS Newsletter will be issued in **May**. Any member can send contributions before **April 20th** (150 words max). Contributions can include: conferences announcement, special issues call for papers, phd thesis defense announcement, new publications, new projects, job offers. If you have suggestions to improve IFESS-NL please let us know as well. christine.azevedo@inria.fr