

NEWS FROM IFESS

This year, the annual IFESS conference will be replaced by a provocative workshop about the status and future of FES. 20 years ago IFESS played a defining role in establishing FES as research and clinical disciplines. Now it is time to redefine FES, and IFESS is once again taking the lead.

© 2015, October 15-16 [FES: The Interdisciplinary Dialogue, Chicago, USA.](#)

A Workshop about the History, Status, and Outlook for Functional Electrical Stimulation.

Hosted by the Illinois Institute of Technology. From its early beginnings, Functional Electrical Stimulation has held the promise of providing technological rehabilitation therapies for those with sensory-motor special needs. This is an exclusive workshop about the meaning and significance of FES as research, commercial, and clinical fields. Using an informal format, attendees will discuss their perspectives about FES past and present, towards the goal of defining its modern scope and significance. Attendance is limited, so reserve your place now. Visit the [workshop website](#). We are soliciting your suggestions for Keynote Speakers. Email the Conference Chair, Phil Troyk, at: conference2015@ifess.org. Come to Chicago for a unique pre-SfN workshop!



© 2016, June 8-10 [IFESS conference, Montpellier, France.](#) The 20st Anniversary IFESS conference will take place in La Grande Motte, close to Montpellier. Save the date!

MEMBERS' CORNER

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

Conferences announcement

©2015, June 7-12 [World Congress in Medical Physics and Biomedical Engineering, Toronto, Canada](#)

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

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

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

New publications

© D.G. Sayenko, R. Nguyen, T. Hirabayashi, M.R. Popovic, and K. Masani, "Method to reduce muscle fatigue during transcutaneous neuromuscular electrical stimulation in major knee and ankle muscle groups," In: Neurorehabilitation and Neural Repair in November 2015, DOI: 10.1177/1545968314565463.

© R. Babona-Pilipos, A. Pritchard-Oh, M.R. Popovic, and C.M. Morshead, "Biphasic monopolar electrical stimulation induces rapid and directed galvanotaxis in adult subependymal neural precursors," In: Stem Cell Research and Therapy, vol. 6, no. 67, 2015. DOI:10.1186/s13287-015-0049-6

© J. Jovic, C. Azevedo Coste, P. Fraise, S. Henkous, C. Fattal, "Coordinating Upper and Lower Body During FES-Assisted Transfers in Persons With Spinal Cord Injury in Order to Reduce Arm Support," In: Neuromodulation, DOI: 10.1111/ner.12286

New projects

⦿ A new collaboration between Dr. Alon (IFESS BOD), Dr. David L. Embrey, PI, and MultiCare Health System, Tacoma-Puyallup, Washington State enabled us to test new application of self-administered, wearable FES system. The study is supported by NIH funded project (1R21AG048001-01) and is listed in ClinicalTrials.gov Identifier is NCT02384980 under the title: "Saving Life and Limb: FES for the Elderly With PAD".

⦿ Ripple LLC (Salt Lake City, www.rppl.com) has been chosen by DARPA for a prime contract under the HAPTIX program to develop implantable systems for advanced control of prosthetic hands, and to restore natural sensation such as touch and finger position. Ripple is building the 32-channel Myoelectric Implantable Recording Array (MIRA) to detect EMG signals for prosthesis control, and the 64-channel implantable Stimulating And Recording Array (SARA) to activate peripheral nerves for restoration of natural sensation. Ripple will coordinate with researchers at the University of Utah, University of Pittsburgh, Case Western Reserve University, the Cleveland Clinic, and Nerves Inc. to conduct clinical trials with these devices. For more information, email projects@rppl.com.



Next IFESS Newsletter will be issued in **September**. Any member can send contributions before **August 15th** (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