Activities of the Polish Node of INCF

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By the Polish INCF node we denote the people engaged in neuroinformatics related activity supporting Polish membership in the INCF. Node activities involve research, education, workshops, infrastructure building.

Education.

Two new BSc courses have been created in Poland in the fall of 2009.

- "Neuroinformatics" is a complete BSc program prepared from scratch in the Physics Department of the Warsaw University (P. Durka). It received 66 applications, 20 students were admitted into the program. Complete description of the program is available at: http://www.neuroinformatyka.pl/

- "Cognitivistics" is a complete interdisciplinary BSc program in the Nicolaus Copernicus University in Torun with neuroinformatics components (W. Duch). It received 160 applications with 75 students admitted into the program. Complete description of the program (in Polish) is available at: http://www.kognitywistyka.umk.pl/

- Two other MSc courses, "Neurocognitivistics" (A. Wróbel), neuroscience based psychology course in the Warsaw School of Social Sciences and Humanities (2009), has some neuroinformatics components, http://www.neurokognitywistyka.edu.pl/ as well as the course in "Neurophysiology" (M. Lewandowski) offered in the Biology Department of the Jagiellonian University. http://neuro.iz.uj.edu.pl/.

- A course "Introduction to Neurodynamics and Neuroinformatics" at the Department of Mathematics and Computer Science of Warsaw University is offered (J. Karbowski).

Activities – national

- A workshop "Neuroscience meets theoretical physics" was organized in September 2008 by the Center of Complex Systems of Jagiellonian University (M. Lewandowksi, J. Szwed) http://www.fais.uj.edu.pl/neurobio/

- Short hands-on course "Introduction to nervous system modeling with Neuron" was organized at the Nencki Institute of the Experimental Biology (D. Wójcik) under auspices of the Polish Neuroscience Society (14-15 April 2009). http://www.neuroinf.pl/warsztaty_neuron

- A symposium on modern data analysis methods in electrophysiology was organized during the 9th Int. Congress of the Polish Neuroscience Society, 2009 (K. Blinowska).

Activities – international

- Two Polish-Norwegian Neuroinformatics workshops were organized by the Polish and Norwegian INCF nodes (D. Wójcik), supported by a grant from the Polish-Norwegian Research Fund and the Nencki Institute. The first one "Modeling of extracellular field potentials" took place on 15-16 January 2009 in Aas, Norway: http://compneuro.umb.no/lfpworkshop/LFP_workshop


- Advanced Scientific Programming in Python Winter School was organized by G-Node and the Physics Department, University of Warsaw (P. Durka), which took place 8-12 February, 2010 http://escher.fuw.edu.pl/pythonschool/

The node will host the yearly Advanced Course in Computational Neuroscience in Bedlewo, Poland, in the period of 2011-2013 (T. Bem, D. Wójcik).