Newsletter of the IFAC Technical Committee on Human-Machine-Systems

Issue 2012_1, October 2012 (Newsletter of IFAC TC 4.5 available on: http://tc.ifac-control.org/4/5/newsletter*)*

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(To publish your TC4.5 related information to the next newsletter, send your proposal by email to Frédéric Vanderhaegen: frederic.vanderhaegen@univ-valenciennes.fr*)*

1. Call for industry members and co-chair for the TC HMS
As required during our last TC meeting in Milano, our TC needs another co-chair from industry. If you are interested or if you know someone interested for being our co-chair from industry, please inform Frédéric Vanderhaegen by email at [frederic.vanderhaegen@univ-valenciennes.fr.](mailto:frederic.vanderhaegen@univ-valenciennes.fr)

To be affiliated to IFAC TC HMS, contact your National Member Organisation for more details (find the list on: http://www.ifac-control.org/about/structure/nmolist).

2. Confirmation of the list of the IFAC TC 4.5 members
The list of the IFAC TC 4.5 members and their associated affiliation and email has to be handled regularly. Please verify your information and contact Frédéric Vanderhaegen if there are some mistakes.

Current list and associated affiliation to be verified:
Dr. Götz Botterweck, Ireland, Lero - The Irish Software Engineering Research Centre , University of Limerick
Prof. Dr. Guy A. Boy, USA, FIT (Florida Institute for Technology) - Human-Centered Design Institute
Prof. Jose Roberto Castilho Piqueira, Brazil, Federal Univ. of Rio Grande do Sul
Prof. Pablo Castells, Spain, Escuela Técnica Superior de Ingeniería Informática. Universidad Autónoma de Madrid
Prof. Myung Jin Chung, Korea, KAIST
Dr. Yun Hyung Chung, Korea, Korea Institute of Nuclear Safety
Prof. Dr. Giovanni De Poli, Italy, Center of Computational Sonology, Dept. of Electronics and Informatics
Prof. Tadeusz Dobrowiecki, Hungary, Budapest Univ. of Technology & Economics , Dept. of Measurement & Information Systems
Dr. Frauke Driewer, Germany, University of wuerzburg
Prof. Peter F. Elzer, Germany, IPP, TU Clausthal
Prof. Cesare Fantuzzi, Italy, Department of Science and Engineering Methods, University of Modena and Reggio Emilia
Prof. Dr. Florin-Gheorghe Filip, Romania, Romanian Academy, INCE
Dr. Robert Genser, Austria, Institute for Handling Devices and Robotics
Dr.-Ing. Dipl.-Inf. Daniel Görlich, Germany, Frounhofer Institute for Experimental Software Engineering
Dr. Dong-Han Ham, United Kingdom, School of Computing Science, Middlesex University
Dr. Peter G. Higgins, Australia, Faculty of Engineering and Industrial Science, Swinburne University of Technology
Prof. Erik Hollnagel, Sweden, CSELAB, Department of Computer and Information Science, University of Linköing
Prof. Baosheng Hu, China, Systems Engineering Institute, Xi'an Jiaotong University
Prof. Dr. Koichi Inoue, Japan, Department of Mechanical Engineering, Graduate School of Engineering, Osaka Sangyo University
Dr. Meike Jipp, Germany, Automation Laboratory, Institute of Computer Engineering, University of Heidelberg
Prof. Dr.-Ing. Gunnar Johannsen, Germany, Systems Engineering and Human-Machine Systems , University of Kassel
Dr. Andrzej Kasinski, Poland, Inst. of Control & Information Engg. Poznan TU
Dr. Kensuke Kawai, Japan, Toshiba Corporation (retired)
Prof. Alex Kirlik, USA, Institute Tef Aviation, University of Illinois at Urbana-Champaign
Dr. Naoyuki Kubota, Japan, Tokyo Metropolitan University, Graduate School of System Design
Dr. Alar Kuusik, Estonia, EE ELIKO Technology Competence Centre Akadeemia tee 23A

Dipl.-Inf. Sandro Leuchter, Germany, Fraunhofer Institute for Information und Data Processing (IITB), Dept. Interoperability and Support Systems

Prof. Dr. Alexander H. Levis, USA, George Mason University

Prof. Dr. Morten Lind, Denmark, DTU Electrical Engineering

Dr. Lena Mårtensson, Sweden, Department of Industrial Economics and Management, Royal Institute of Technology

Prof. Dr. Patrick Millot, France, Laboratoire d'Automatique et de Mécanique Industrielles et Humaines (LAMIH), University of Valenciennes

Prof. Daihwan Min, Korea, MIS Department, Korea University at Jochiwon

Prof. Mirolyub Mladenov, Bulgaria, University of Ruse "A. Kanchev, Department of Automatics, information and control engineering

Dr. Roberto Montanari, Italy, Department of Science and Engineering Methods, University of Modena and Reggio Emilia

Prof. Dr. Ir. Max Mulder, The Netherlands, TU Delft, Faculty of Aerospace Engineering, Control and Simulation

Dr. S. Narayanan, USA, Department of Biomedical, Industrial, and Human Factors Engineering, Wright State University

Dr. Sven Nomm, Estonia, TUT, Control Systems Dept., Institute of Cybernetics

Dr. Janet M. Noyes, United Kingdom, Department of Experimental Psychology, University of Bristol

Mr. Holger Oortmann , Germany, Siemens AG, CT IC 7

Prof. Dr. Ron J. Patton, United Kingdom, Department of Engineering

Dr. Carl A. Pickering, United Kingdom, Jaguar and Land Rover Res. Jaguars Cars Ltd, Engg. Centre

Prof. Amy Pritchett, USA, Georgia Institute of Technology

Dr. Daniel Repperger, USA, U.S.A Air Force, AFRL/HECP

Prof. Bernard Riera, France, CreSTIC, UFR Sciences Exactes et Naturelles

Junior-Professor Dr.-Ing. Dipl.-Psych. Kerstin Roese, Germany, User-centered Product Development, Center for Human-Machine-Interaction, University of Kaiserslautern

Prof. Dr.-Ing. Matthias Rötting, Germany, Human-Machine Systems, Institute of Psychology and Ergonomics, Technical University of Berlin

Prof. Jose Luis Pons Rovira, Spain, Grupo de Bioingenieria

Professor Dr. Andrew P. Sage, USA, Department of Systems Engineering and Operations Research

Prof. Dr. Eng. Tetsuo Sawaragi, Japan, Department of Mechanical Engineering and Science, Graduate School of Engineering, Kyoto University

Prof. Dr.-Ing. Ludger Schmidt, Germany, Human-Machine Systems Engineering, University of Kassel

Prof. Marcin Sikorski, Poland, Faculty of Management and Economics Gdansk UT

Dr. Francisc Sisak, Romania, Universitatea "Transilvania" Brasov

Dr. Ahmad Skaf, France

Dr. Charlotte Skourup, Norway, ABB AS, Corporate Research Center

Prof. Johan Stahre, Sweden, Division of Production Systems, Chalmers University of Technology

Prof. D. Sc. Vadim L. Stefanuk, Russia, Institute for Information Transmission Problems

Prof. Tan Kay Chuan, Singapore, Department of Industrial and Systems Engineering, National University of Singapore

Prof. Tibor Vámos, Hungary, Computer And Automation Institute, Hungarian Academy

Dr. Frederic Vanderhaegen, France, CNRS, LAMIH-University of Valenciennes

Prof. Kim J. Vicente, Canada, Cognitive Engineering Laboratory, Dept. of Mechanical & Industrial Engineering, University of Toronto

Prof. Peter Wieringa, The Netherlands, Man-Machine Systems Group, Delft University of Technology

Prof. Wan Chul Yoon, Korea, KAIST

Prof. Dr.-Ing. Jianhua Zhang, China, School of Information Sciences and Engineering, East China University of Science and Technology

Prof. Dr.-Ing. Detlef Zühlke, Germany, Center for Human-Machine Interaction, German Research Center for Artificial Intelligence

3. 12th IFAC/IFIP/IFORS/IEA Symposium on Analysis, Design, and Evaluation of Human-Machine Systems, August 11-15, Las Vegas, USA.

The IFAC/IFIP/IFORS/IEA Symposium on Human-Machine Systems website is now available on: http://www.ifachms2013.org/ or http://www.cecs.wright.edu/events/ifac/.

The deadline for paper and session submissions is: January 11, 2013.

The Organizing Committee (contact for sending your proposals: ifachms2013@gmail.com) of the symposium is looking for:

- Additional international program committee members.
- Special session chairs
- Industry sponsors
- Mailing list to send the call for papers to potential participants for the conference

Please, communicate the call for papers of this 12th IFAC/IFIP/IFORS/IEA symposium to all of your

colleagues. This symposium is really a good opportunity for our Human-Machine Systems community for exchange, discussion and debrief on industrial and scientific advances. Its success is proof of its interest and importance!

4. Proposals for EAM Conference on Human Decision Making and Manual Control

The EAM2012 was successfully held at Braunschweig, Germany, in September 11-12 (see on: http://www.eam2012.net/).

This conference was organized in USA from 1964 to 1988 and was entitled "Annual Manual Conference". A similar one entitled "European Annual Manual" is organized in Europe since 1981. The International Scientific and the Organisation Committees have proposed to organize the EAM2013 version in parallel with our 12th IFAC/IFIP/IFORS/IEA symposium in Las Vegas, August 11-15 2013.

The EAM2014 and EAM2015 have to be prepared now. A call for organizing countries is then done. Please contact Frédéric Vanderhaegen for proposals.

The main original idea of this conference was well summarized by Prof. G. Johannsen:
The conference continued the tradition established in 1964 in USA and in 1981 in Europe in bringing together young researchers from different disciplines of the human-machine system field in an informal way. The conference aimed at providing a forum for extensive discussions of new and on-going work among the participants. Consequently, the conference was focused on technical papers and planned ample time for presentation and discussion. We were able to preserve the atmosphere of informal conference among friends working towards the same goal – a better adaptation of technical systems to the human!

Then, in a more informal way, this conference will become an international event and will complete the impact of the 12th IFAC/IFIP/IFORS/IEA symposium.

In order to make interested people reactive and informed about such a project, a mailing list will be built. Please follow one of the following procedures if you or your colleagues decide to subscribe to the EAM list:
- Send email to sympa@univ-valenciennes.fr with message "subscribe eam" (no subject necessary)
- Or send an email to the moderator (contact: simon.enjalbert@univ-valenciennes.fr) by asking him to record your email address on the list

5. Forthcoming events.

ERGO-IHM2012, Nouvelles interactions, créativité et usages (New Interactions, creativity and usages), October 16-19 2012, Biarritz, France: http://www.ergoihm.estia.fr/

IFAC Workshop on Engine and Powertrain Control, Simulation and Modelling E-COSM'12, October 23-25 2012, Rueil-Malmaison, France: http://www.ecosm12.org/

12th IFAC/IFIP/IFORS/IEA Symposium on Analysis, Design, and Evaluation of Human-Machine Systems, August 11-15, 2013, Las Vegas, USA: http://www.ifachms2013.org/

31th EAM conference on Human Decision Making and Manual Control, August 11-15, 2013, Las Vegas: http://www.ifachms2013.org/ or http://www.cecs.wright.edu/events/ifac/

IFAC Symposium Mechatronic Systems, April 10 – 12, 2013, Hangzhou, China.

6. Call for papers on a special issue on "Collaboration to address human factors of artificial intelligence in medicine" for the Artificial Intelligence in Medicine journal

Guest Editors:
- Adinda Freudenthal, Delft University of Technology, Faculty of Industrial Design Engineering, The Netherlands
- Werner Korb, Leipzig University of Applied Sciences, Innovative Surgical Training Technologies

Journal: Artificial Intelligence in Medicine

Deadline for the submission of manuscripts: January 15th 2013

For further information: http://www.journals.elsevier.com/artificial-intelligence-in-medicine/call-for-papers/special-issue-on-collaboration/

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