



2009.02

International Federation of Automatic Control Technical Committee 3.1 – Computers for Control

<http://tc.ifac-control.org/3/1>

<http://www.ifac-control.org>

NEWSLETTER

Introduction

With this Newsletter we start with our new *regular* info about TC 3.1. Hopefully, it will be also *frequently*.

Members

Finally, the members list of TC 3.1 is ready. Of course, the list could be modified when it will be necessary.

1.	Marian Adamski	Poland
2.	Pedro Albertos	Spain
3.	Alejandro Alonso	Spain
4.	Karl-Erik Arzen	Sweden
5.	Jiri Bayer	Czech Republik
6.	Alan Burns	United Kingdom
7.	Che-Wai Chan	Hong Kong, China
8.	Ian Clark	Australia
9.	Matjaž Colnarič	Slovenia
10.	Alfons Crespo	Spain
11.	Rosa Maria Fernández-Cantí	Spain
12.	Josep M. Fuertes	Spain
13.	Rodolfo E. Haber	Spain
14.	Vladimir Hahanov	Ukraine
15.	Wolfgang A. Halang	Germany
16.	Christopher Paul Jobling	United Kingdom
17.	Ulrich Jumar – <i>vice-chair</i>	Germany
18.	Hermann Kopetz	Austria
19.	Stefan Kozak	Slovakia
20.	Monica Leba	Romania
21.	Norian Marranghello	Brazil
22.	Marga Marcos	Spain
23.	Leo Motus	Estonia
24.	Gašper Mušič	Slovenia
25.	Jaehyun Park	Korea
26.	Juan Antonio de la Puente	Spain
27.	Richard Roberts	South Africa
28.	Alfredo Rosado Muñoz	Spain
29.	António Eduardo de Barros Ruano	Portugal
30.	Ricardo Sanz – <i>vice-chair</i>	Spain
31.	Bran Selic	Canada
32.	José E. Simó	Spain
33.	Ryszard Tadeusiewicz	Poland
34.	Theodor Tempelmeier	Germany
35.	Mohammad Osman Tokhi	United Kingdom
36.	Haydn Thompson	United Kingdom
37.	Heinrich Theodor Vierhaus	Germany
38.	Rob A. Vingerhoeds	France
39.	Birgit Vogel-Heuser	Germany
40.	Horst F. Wedde	Germany
41.	Marek Węgrzyn – <i>chair</i>	Poland
42.	Janusz Zalewski	USA
43.	Juan Zamorano	Spain

Scope

Long scope

Considers all aspects of computer-based control, including real-time computing systems, real-time communications and distributed control systems, hardware and software architectures and platforms, development methodologies, software engineering and software tools, hardware and software in safety-critical applications, as well as control of the operational processes in computing systems themselves.

Short scope

Computer-based control systems for real-time computing and communications, for distributed control and safety critical applications, and their development methodologies.

Working groups

At the moment in the TC there are 4 working groups.

Platforms

WG Chair - Haydn Thompson

Hardware and Software Platforms for Real-time Computing and Control.

Tools and Processes

WG Chair - Birgit Vogel-Heuser

Tools and Methods for Real-time Control Systems Engineering.

Communications

WG Chair - Marga Marcos Muñoz

Communications Hardware and Protocols for Distributed Real-time Control.

Safety

WG Chair -

Safety-related Aspects of Computer Hardware and Software in Critical Applications.

Persons interested in teamwork in particular working groups, please contact with their chairs.

Events

TC 3.1 was/is the main sponsor (or co-sponsor) of some conferences:

Workshop on Programmable Devices and Embedded Systems, PDeS 2009

Roznov pod Radhostem, Czech Republic, 10-12.02.2009
<http://pdes2009.vsb.cz>

28th EWICS/IFAC Conference on Computer Safety, Reliability and Security, SAFECOMP 2009

Hamburg, Germany, 15–18.09.2009
<http://www.safecomp.org>

2nd IFAC International Conference on Intelligent Control Systems and Signal Processing, ICON 2009

Istanbul, Turkey, 21-23.09.2009
<http://www.icons2009.org>

4th Workshop on Discrete-Event System Design, DESDes 2009

Gandia, Spain, 06-08.10.2009
<http://www.desdes.uz.zgora.pl>

10th IFAC/IFIP/IFORS/IEA Symposium on Analysis, Design, and Evaluation of Human-Machine Systems, HMS 2010

Valenciennes, France, 31.08–03.09.2010
<http://www.univ-valenciennes.fr>

IFAC Symposium on Telematics Applications, TA 2010

Timisoara, Romania, 05–08.10.2010
<http://www.upt.ro/ta2010>

Please disseminate information about “our” conferences.

TC 3.1 Meeting

The real, last meeting of TC 3.1 was held in May 2007. Unfortunately during the IFAC Congress in Seoul there were only some small meetings. Therefore I would like to arrange the next meeting during the conference DESDes 2009 (Gandia, Spain, 06-08.10.2009, <http://www.desdes.uz.zgora.pl>). An exact date will be fixed later.

TC 3.1 Logo

I would like to offer logo of TC 3.1 for competition. Any suggestions are welcome.

Final notes

I would like to invite for contribution any information to our Newsletter, for examples, short reports from events (co-)sponsored by TC 3.1 (now maybe from PDeS 2009?); info about educational materials, books that could be interesting for wide audience; info about open positions etc. We could also publish short presentations about software, projects.

Any idea, comments, suggestions for our common collaboration (especially) in the frame of IFAC organization are very welcome.