

## 125 years of IEEE – 20 years of IEEE HS

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### IEEE HS General assembly

At 11th of May 2010 the general assembly was followed by high attention, almost 10% of the members participated in the event. Prof. Imre

Rudas, chair of IEEE HS welcomed the attendees. He announced the resign of Dr. Gábor Szederkényi secretary & treasurer from the treasurer position. After the short presentations of the chapter chairs about the chapter activities of the past year, Peter Kadar made an overview about the Riga R8 meeting. Prof. Rudas gave memory plaque over previous IEEE HS volunteers. Ms Szakál presented the 2009 HS balance-sheet and the proposals for the change of IEEE HS ByLaws. It refers

- to the official address of IEEE HS, the
- number of the vice chairs and
- the way of the membership fee payment

Dr. Istvan Krómer introduced the new candidate for the new position.

As the result of the election, the new vice-chair of IEEE HS is Prof. István Vajda by Peter Kadar. Former treasurer assistant Ms Anikó Szakál has been elected for Treasurer.

Finally the new appointed officers has been introduced: *Levente Kovács* – Membership Development  
*Peter Szemes* – Industry Relation  
*Balint Nemeth* – Gold Affinity Group  
*Richard Cselko* – Student Activity



### NEW Vice Chair of IEEE HS

**István Vajda** was born in Budapest, Hungary, 25 October, 1952. He received M.Sc. in electrical engineering from the Technical University of Budapest, Ph.D. degree and dr. habil title in electrical engineering from the Budapest University of Technology and Economics (BUTE), and DSc degree in electrical engineering from the Hungarian Academy of Sciences. He is a member of the IEEE. He is a professor and head of the Department of Electric Power Engineering, Budapest University of Technology and Economics, leader of the SuperTech Lab. His main interests and achievements are in electrical power applications of superconductors, electrical energy converters and renewable electrical energy.



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### MDO

Dr. Levente Kovács received a degree in electrical engineering at the “Politechnica” University of Timisoara, Romania in 2000 and the PhD in 2008 at the Budapest University of Technology and Economics where currently he is a senior lecturer at the Dept. of Control Engineering and Information Technology. His research topic is physiological control, robust control theory, biomedical engineering and bioinformatics, with special interest in diabetic control. He has published more than 20 papers in international journals and 50 publications at international conferences. He is IEEE member from 2009, MATE Control Theory section management board member from 2007 and Hungarian Diabetes Association member from 2010. From 2010 is Membership Development Officer of the IEEE Hungarian Section.



### Student Affinity Group

Richard Cselkó is a PhD student at the Electric Power Engineering Department of the Budapest University of Technology and Economics. His research topic is insulation diagnostics, particularly cable diagnostics by means of partial discharge measurements. He was the winner of the MSc. Thesis contest of the Energetics Scientific Association in 2008. He is the secretary of the Student Association of Energy ([www.eszk.org](http://www.eszk.org)) and one of the founders and the Chair of the IEEE Budapest University of Technology and Economics Joint IAS / PES Student Branch Chapter. In 2009 he was one of the Local Organizing Committee members of the International Youth Conference on Energetics.

IEEE Budapest University of Technology and Economics Joint IAS / PES Student Branch Chapter: winner of the IAS Outstanding Chapter Award!  
The IAS/PES Joint Student Branch Chapter has been selected by the CMD Awards Committee as the 2010 IAS Outstanding Student Branch Chapter for 2009 performance, which included the organization of an international scientific conference (IYCE2009, [www.iyce2009.org](http://www.iyce2009.org)), a panel

discussion about the power plant construction projects in Hungary, several lectures and factory visits. The award will be presented to chapter representatives at the IAS Annual Meeting in Houston (October 3-7) at the President’s Banquet. As the part of the award, the journey will be aided by the IAS Chapters and Membership Development Department.



### Gold Affinity Group

Bálint Németh is an assistant lecturer at the Electric Power Engineering Department of the Budapest University of Technology and Economics. He is the Head of the High Voltage Laboratory. His main fields of interest are lighting and overvoltage protection, transformer diagnostics, asset management and live line maintenance. He was the winner of the Young Scientist Award at the International

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Conference on Lightning Protection 2008 in Uppsala, Sweden. He is also a co-worker at the National Power Line Company Ltd. (OVIT Zrt.) as a developmental advisor. In the recent years he has shown outstanding activity in professional organizations like the Student Association of Energy, Hungarian Electrotechnical Association or the AEE Hungarian Student Chapter. He was member of the Local Organizing Committee of the International Youth Conference on Energetics in 2007 and in 2009, too.



### Industry Relation

Péter Tamás Szemes received the M.Sc. degree in mechanical engineering from Budapest University of Technology and Economics (BUTE), Budapest Hungary, in 2000 and Dr. Eng. degree from University of Tokyo, Tokyo, Japan, in 2005. His research interest was mobile robot control, distributed sensory systems, and fuzzy-neural networks

during his PhD research. He joined to MFKK Invention and Research Centre Ltd as Chief Technical Officer in 2006. His responsibility was to coordinate EU FP6 and FP7 project. Now, He is Chef Engineer at MFKK and he is responsible to coordinate industrial and academic relationship and coordinate and advise industrial driven R&D projects. Dr. Szemes is the member of IEEE, Hungarian Fuzzy Association, Robotic Society of Japan, and Integrated Intelligent System Japanese- Hungarian Joint Laboratory. Dr. Szemes is the author of more than 50 scientific papers and book chapters.



### CHAPTER ACTIVITIES

Here you can read some information about the IEEE HS Chapters' recent activities

### IE RAS Chapter

The Industrial Electronics and Robotics and Automation Joint Chapter had 25 members (6 students) in 2009. Its main interest is related to the organization of international scientific conferences and symposia that is definitely required by the educational institutions in Region 8 to provide good possibility for researchers and PhD students for publishing their new results at appropriate scientific level.

Organization means technical and other co-sponsorship in the conferences. The members of the Joint Chapter undertake various tasks in the various committees of these events and actively take part in reviewing the submissions, too.

The chapter participated in the organization of scientific events after May of 2009 as follows:

***CINTI 2009; SISY 2009; ISCIH 2009;***

Even in 2009 the Joint Chapter was active in preparation for organizing important scientific conferences in the forthcoming years as

***LINDI 2011; APPIE-CONTI 2010; RAAD 2010; INES 2010; SAMI 2010***

*Jozsef Tar*

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### CPMT Chapter

Part of the IEEE - Hungarian & Romanian Joint Components, Packaging and Manufacturing Technology Society . Approval letter dated 14 May 1999, Responsible for the IEEE Hungary Section. Founding members: 11 Hungarian and 7 Romanian people. Members' number in 2009: approx. 35+ and 30 Romanian students in 2 student-chapters

### Types of activity of the Hu-Ro Joint CPMT Chapter

- Conferences: organization, technical sponsorship, contribution
- Meetings: seminars, committees, reports
- Students assistance: education, recruitment
- Networking: educational, training, scientific, access provision
- Scientific cooperation: joint projects

### Examples of reported activities from 2009/2010

- Conferences: IEEE-CPMT sponsored SIITME2009 in Gyula, Hu
- Education: Train-the-Trainers courses - Electronics Packaging
- Student assistance: TIE – Annual Student Contest

- Student assistance: IEEE-CPMT Student Branch Chapter, RO
- Networking: ISSE & ENPACKED

**Conferences:** IEEE-CPMT sponsored **SIITME2009** in Gyula, Hu

**Education:** Train-the-Trainers courses - **Electronics Packaging** for industrial trainers, secondary school teachers, students, etc

**Student assistance:** TIE – Annual Student Contest

**Student assistance:** IEEE-CPMT Student Branch Chapter, RO

**Networking:** ISSE & ENPACKED

*Zsolt Illyefalvy-Vitéz*



### IAS /PELS Chapter

#### 1. Short Story of the Chapter

- Year of forming the chapter 2004
- Number of members 20
- 4-5 events / year
- 30 – 40 non-members interested
- Small outstanding chapter award (Hong Kong) 2005
- Small outstanding chapter award (Tampa) 2006



#### 2. Technical activities in 2009

##### Technical seminar

- Mr. Ernő Paál Development Manager Hyundai Heavy Industry *Multi-level converters* 17/ 04/ 2009,

##### Conference support :

- International Youth Conference on Energetics (IYCE 2009) 04 - 06 / 06/ 2009

##### Forum:

##### • Power Plant Development in Hungary

Four invited speakers from Authorities and Industry Venue: Budapest University of Technology and Economics In collaboration with BUTE IAS/PES Student Branch Chapter 30/ 09/ 2009

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- **Technical seminar : Hydrogen based Energy**

Invited speaker: Bogányi György, Energy Association of Hungary In collaboration with BUTE IAS/PES Student Branch Chapter 10/ 11/ 2009

### 3. Technical activities in 2010

- **CERiS'10 Workshop on Cognitive and Eto-Robotics in iSpace**

- iSpace session: 6 speakers from Japan, Croatia and Hungary  
- Eto-com session: 4 speakers from Hungary 09-10/ 03/ 2010

- **“Window to the future”:**

- **International workshop on Power**

Supported by IEEE HS, IEEE R8 and IEEE IAS. Invited speaker: Dr. S. Mark Halpin, IEEE Past president, Fellow and 5 Hungarian researcher from Universities / Industries in collaboration with BUTE IAS/PES Student Branch Chapter 21/ 05/ 2010

- **Deep collaboration with the IAS/PES Student Branch Chapter**

- Agreement in August 2009
- Providing help in the IEEE jungle

Common actions and events

- **Involvement of new young members**

The actual average age of the members is ~ 50 years

- **Renewal of the chapter web page**

With the help of the young members

- **Organising technical seminars and workshops**

*Tamás Ruzsányi*



### CIS Chapter

During 2009, the IEEE Hungarian Section Chapter of Computational Intelligence Society was active on the field of organizing meetings, local and international conferences and scientific symposia in the field of computational intelligence, participating in Regional and Societies' Technical Programmes as follows:

1. April 6, meeting with John Víg, President of IEEE and J. Roberto B. de Marca VP at Budapest Tech. The CIS members had opportunity to introduce them in the chapter activities.

2. September 1-2, Budapest Tech Jubilee Conference, invited keynote speaker's visit from Electrical and Computer Engineering, Auburn University, USA and Faculty of Technical Sciences, University of Novi Sad, Serbia.

Bogdan M. Wilamowski: “Neural Networks or Fuzzy Systems”

Branislav Borovac: “How to Generate and Realize Bipedal Gait in Unstructured Environments?”

The professors were newly awarded by the “Civitate Honoris Causa of Budapest Tech’ title, the most prestigious award of Budapest Tech.

3. December 2, 2009, MTA Building (Roosevelt tér 9, Budapest)

Doctor of Academy thesis defence entitled “Methods of Computational Intelligence for Modeling and Data Representation of Complex Systems” (in Hungarian) presented by Várkonyiné Kóczy Annamária, PhD, CIS member.

### Organizing local and international conferences as

SAMI 2009; INES 2009; SACI 2009; SISY 2009; CINTI 2009; ICCS 2009

*Rita Lovassy*



### SMCS Chapter

May 28, 2009.: Meeting of the IEEE Hungary Section, Budapest, Hungary. Report on activities and organization affairs in IEEE SMC Hungary Chapter.

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*31 August 2009:* IEEE SMCS Distinguished Lecture Program. Lecturer: Hideyuki TAKAGI, Kyushu University, Japan. Title of lecture: Humanized Computational Intelligence with Interactive Evolutionary Computation, Venue: Budapest Tech

*September 25-26, 2009:* 7th International Symposium on Intelligent Systems and Informatics, Subotica, Serbia, Co-organization of the conference.

*October 11-14, 2009:* 2009 IEEE International Conference on Systems, Man, and Cybernetics, San Antonio, Texas, USA. Program Committee Member: Imre J. Rudas and László Horváth

*November 2, 2009:* IEEE HS chapter chair meeting.

*November 12-14, 2009:* 10th International Symposium of Hungarian Researchers on Computational Intelligence and Informatics, Budapest, Hungary. Co-organization of the conference.

*November 26-29, 2009:* 7th IEEE International Conference on Computational Cybernetics, Palma de

Mallorca, Spain. Co-organization of the conference.

*László Horváth*



### PES Chapter

Visit and meeting Mr John Vig, 2009 President and Dr J. Roberto Boisson de Marca, 2008 Vice President, Techn. Act. in Budapest on Apr 6. 2009.

Organisation and sponsorship of 2. Int. Youth Conf. on Energetics in Budapest on June 4-6 and participation in the round table discussion with presentation during IYCE.

Representation on the chapter chair conference in Bucharest in June.

Foundation of PES and IAS Joint Budapest Student Branch Chapter, adviser from chapter. Participation and presentation on NORDIC Conference R8 Power Chapters Leadership Workshop and IAS Technical Seminar on Wind Power Technologies in Stockholm Sep 13-15. Chapter chair and secretary took part on the commemorate Extra High Voltage Technology Conference in cooperation with Korea PES Chapter (R10) in Seoul with three presentations on October 19-24. 220 attendants were

present on the conference and on the field demonstration.

*László Jermendy*



### IEEE ICC 2013 Awarded to Budapest

Nearly one year ago the Scientific Association for Info-communications (HTE), as the Hungarian IEEE ComSoc Sister Society, decided to bid for the hosting of ICC 2013, one of the flagship conferences of IEEE ComSoc. First a 6-page written proposal was submitted, then a bid presentation was held in November in Honolulu, a bid website was created, and finally a site visit took place at the beginning of May. Budapest competed against tough competitors such as Barcelona, Kuala Lumpur and Dubai, but on May 5 the decision was finally taken: the organization of IEEE ICC 2013 was awarded to Budapest.

The International Conference on Communications (ICC) in one of the largest and most famous conferences of IEEE ComSoc. Each year there are usually more than 3000 papers submitted, between 1300 and 1700

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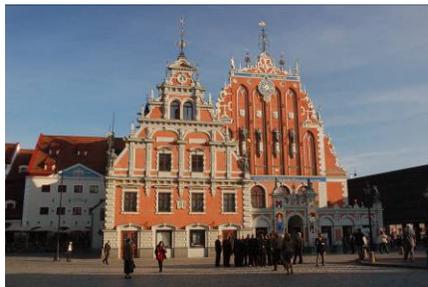
registered participants, and a very condensed 5-day technical program, with 18 parallel tracks, tutorials, workshops, industrial forums, panel discussions and an exposition. This year the conference will be hosted by Cape Town, in 2011 by Kyoto, and in 2012 by Ottawa. In Budapest the conference will be hosted in parallel by three 5-star hotels on the banks of the Danube (the Marriott, the Intercontinental, and the Sofitel) complemented by the Pesti Vigadó. The general chair of the conference will be Christopher Mattheisen, Chairman-CEO of Magyar Telekom, while the executive chair will be Prof. Lajos Hanzó, IEEE Fellow and Distinguished Lecturer from University of Southampton, UK.

Winning the right to host such a prestigious event here in Budapest was a wonderful achievement, but it is only the beginning of three more years of hard work. However, we are really excited to take that challenge, and organize a memorable and successful ICC 2013 in Hungary.

Rolland Vida, HTE - BME  
ICC 2013 Local Arrangements Chair



### R8 meeting in Riga



On 8th and 9th of May 2010 in Riga, Latvija was held the R8 spring meeting. One of the most important elements of the Riga meeting was the Workshop, during which 6 groups discussed best practices and most important problems of R8 Sections as well as some IEEE challenges in the area of technical activities and others. The current topics were

#### 1. Legal status in country

The newly founded sections can have legal problem to fit the American IEEE to the local laws. Some intervened with tricks and ideas that were welcome. *In Hungary our status is clear: The IEEE HS – Magyarországi Villamosmérnökök Egyesülete – an association running by the Hungarian law.*

#### 2. Section activities that are successful

Solicit ideas of activities that are somehow “novel” to other sections (i.e. Knowledge café by Switzerland Section) and that are successful in one country. *Seek for contributions also by reading the reports, web pages, newsletters.*

#### 3. vTool usage

Provide useful examples on how to use vTools by sections (to create elections, web sites, etc.).

*Many opinions has been discussed for and against the present capabilities of SAMIEE membership registry system.*

#### 4. New, cross-disciplinary technologies

How does IEEE, which is highly compartmented by discipline, handle some of the new important interdisciplinary technology issues such as SmartGrid, Life Sciences, Cloud Computing, Renewable Energy, etc.? *These must be enrolled to the technical program of all the relevant societies.*

#### 5. Publications

Is open access a big issue in Region 8? Are IEEE publications still meeting the needs of our members? Do we emphasize academic papers and not provide enough practical information ("know how". "how to design", etc.) for practitioners? How do people see the future of electronic publishing, use of mobile devices, etc.? *The answer – the free access is coming, but the publication cost should be covered somehow.*

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### 6. Use of social media

Is IEEE making enough use of social media? (e.g. Facebook, YouTube, Twitter, LinkedIn, etc.); to many of the younger members (especially students and GOLD), this is the natural way they communicate. Should it be doing more to encourage technical and regional discussion of IEEE's technology issues in this way instead of the more traditional routes of magazines, journals and newsletters?

*The answer was: All new media can and should be used that supports IEEE objectives.*

*Peter Kadar*

### TIE 2010 from a foreign perspective

The TIE 2010 in Cluj-Napoca was the second opportunity for us, Hungarians to participate. The competitors of the Budapest University of Technology and Economics were Peter Sass (III. BSc), Krisztián Fülöp (I. BSc) and me, Peter Gross (VI. conventional 5 years study). Other Hungarian universities were also informed about the competition, but they did not respond.



Compared to the previous year's competition, the TIE 2010 had lots of useful innovations, such as the use of the student's own personal computers. This significantly facilitated the work of the organizers and made it convenient for the students to work. The increase of the duration of the competition from 3 to 4 hours had also a good effect on the demanding performance. The task was more realistic, but also harder than it was on the last year's competition: designing the PCB of an mp3 player with two speakers.

The environment was exquisite as well. Underway and as the occasion of free programs, we were able to admire the landscape of Transylvania and the beautiful city of Cluj-Napoca. On the last day of the program, we were taken into the salt mine of Turda. I stem from a miner family in Pécs, so that trip was particularly interesting to me. We have seen the amazing 90 meters deep chambers prepared in the clear salt,



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with boating, playground, big wheel, basketball field and a stage created on the bottom of it. As the advice of the Romanian professors, we have chosen an alternative way back to Hungary, through the beautiful Bihor Mountains, in the valley of the river Arieş. The trip was a bit longer, but the sight of the cliffs and the compelling mountains compensated us for everything.

The TIE competition is a good opportunity for the students to show their knowledge and to prove themselves in a harsh situation. The time given for the task is very short and there are a lot of parameters to be aware of, so it is a big challenge. The evaluation of the tasks is completely fair and the prizes are reassuring, so I can only urge everyone, who has knowledge of a PCB CAD system and a little ambition to participate. Finally, I want to thank the organizers that they have made possible our participation. I also want to thank the hospitality and kindness of our hosts and the help and patience of Prof. Zsolt Illyefalvi-Vitéz and Réka Bátorfi. I hope that this competition remains and even becomes a true international competition.

*Submitted by Zsolt Illyefalvi, IEEE CPMT  
Hu&Ro Joint Chapter*



### Invitation

The IEEE Hungary IAS / PELS chapter and the IEEE Hungary IAS / PES chapter are very pleased to invite you to the

#### “Window to the future”

International Workshop, which will be organised on 21st May, 2010, between 9.00 am and 2.00 pm.

Venue: BME. V2 building, room 530 (Goldmann György sq, 1117. Budapest )

The Chair of the Workshop:

Prof. Dr. Istvan Vajda, Head of Department of Electric Power Engineering, BME, Vice chair of IEEE HS

The language of speakers: English

The biography of the speakers and the summary of the presentations can be seen on the following webpage.

<http://www.eszk.org/index.php?l=hu&p=archivum&s=ieee>

The event is supported by

- IEEE Hungary Section
- IEEE Industry Applications Society
- IEEE Region 8 Chapter Coordination Subcommittee

At the end of the workshop, all the participants will be invited to a reception. Registration can be on the following web page:

[http://www.eszk.org/index.php?l=en&p=rendezvenyeink&s=jelentkezes\\_uzemlatogatasra](http://www.eszk.org/index.php?l=en&p=rendezvenyeink&s=jelentkezes_uzemlatogatasra)

In case of any question, please, contact Tamás Ruzsányi Dr.

e-mail: [tamas.ruzsanyi@ieee.org](mailto:tamas.ruzsanyi@ieee.org)

Tel : +36 30 457 1752



### ICCC-CONTI 2010

IEEE International Joint Conferences on Computational Cybernetics and Technical Informatics – Timisoara, Romania, May 27-29, 2010

Computational Cybernetics is the synergetic integration of Cybernetics and Computational Intelligence techniques. Hence the topics of the ICCC covers not only mechanical, but biological (living), social and economical systems and for this uses computational intelligence based results of communication theory, signal processing, information technology, control theory, the theory of adaptive systems, the theory of complex systems (game theory, operational research), and computer science.

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<http://conf.uni-obuda.hu/iccc-conti2010>



### RAAD 2010

The 19th IEEE International Workshop on Robotics in Alpe-Adria-Danube Region (RAAD 2010) to be held on June 23-27, 2010 in Budapest and Balatonfüred, Hungary.

You can still submit your paper.

- Topics - Papers are welcome but not limited to the following topics:
  - bio-inspired robotics
  - cooperative robots
  - grasping, handling and intelligent manipulation
  - robots kinematics and dynamics
  - simulation for robots
  - history of automation and robotics
  - industrial robots
  - human-machine interfaces
  - humanoids and walking robots
  - mechatronic systems
  - mobile robots
  - navigation & motion planning
  - robot designs new designs and prototypes
  - robot vision and control
  - robots & automation
  - education in robotics
  - service robots
  - towards micro and nanorobots
  - underwater robotics
  - low-cost robots and automation

- robots in manufacturing

Sponsors

Óbuda University, Budapest (Hungary)

IEEE Joint Chapter of R&A and IES

(Hungary)

IEEE SMC Chapter (Hungary)

Technical Co-Sponsors

IEEE Robotics and Automation Society

Óbuda University, Budapest (Hungary)

Hungarian Academy of Engineering

In technical cooperation with

IFTOMM

HUNOROB project (HU0045)

<http://conf.uni-obuda.hu/raad2010/>



### 8TH STUDENT SCIENCE CONFERENCE

Budapest, Hungary August 23-25, 2010

SCOPE ORGANIZERS

The Conference will provide an overview of scientific disciplines as well as of the scope of scientific research carried out at European University of Technology.

TOPICS

- Modern life computing.
- A man in a mirror of contemporary technology.
- Technical view on a man.
- Biocivilization.
- Towards the future.
- Energy - generation, transfer, utilisation.

- Searching for technology of tomorrow.

- Strategies in the global world.

Poland - Hungary

T. Więckowski

Wroclaw University of Technology

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Authors should submit papers on website of conference before May 30, 2010.

Notification of Acceptance

June 25, 2010

Deadline of payment

July 10, 2010

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### SISY 2010

8th IEEE INTERNATIONAL SYMPOSIUM ON

INTELLIGENT SYSTEMS and INFORMATICS

September 10-11, 2010

Subotica, Serbia

Conference web site of SISY 2010

(<http://conf.uni-obuda.hu/sisy2010>).

Topics

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- Computational Intelligence: Machine Learning, Genetic Algorithms, Neural Nets, Fuzzy Systems, Fuzzy and Neuro-Fuzzy Control, Knowledge Based Systems, Expert Systems.
- Intelligent Robotics: Control, Flexible Arm Control, Perception and Recognition, Reasoning,
- Learning, Robotic Systems, Human-Robotic Interaction, Service Robots, Surgery Robots,
- Machine Vision.
- Intelligent Mechatronics: Sensing and Sensor Data Fusion, Motion Control, Intelligent
- Actuators.
- CAD/CAM/CAE Systems: Product Modeling, Manufacturing Process Planning, Advanced
- Modeling Techniques, Shape Modeling.
- Intelligent Manufacturing Systems: Flexible Manufacturing Systems, Production Planning and Scheduling, System Simulation, Rapid Prototyping, Concurrent Engineering, Virtual Reality.
- Informatics: The Web, Business & Digital Culture, Databases, Design & Graphics, Digital
- Audio, Video and Photography, Hardware, Home & Office, Networking & Sys Admin,

- Operating Systems, programming, Science & Math, Security Software Engineering, Healthcare
  - Informatics, Teaching Informatics, Informatics in education process
- Secretary General  
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<http://conf.uni-obuda.hu/sisy2010>



### ECIFMBE 2011

The 5th European Conference of the International Federation for Medical and Biological Engineering, will be held in Budapest, 14-18 September, 2011. IEEE EMBS is a member society of IFMBE, and the Instrumentation and Measurement & Engineering in Medicine and Biology Joint Chapter of IEEE HS MVE is among the organizers. The first congress of this series held in Vienna in 1999 was a major breakthrough with more than 1000 scientific papers. The following congresses (Vienna 2002, Prague 2005, and Antwerp 2008) showed that biomedical engineers from all over the world willingly meet in Europe. The objective of the conference is to demonstrate that joint R & D activity of medical doctors and engineers greatly increases the effectiveness of healthcare. In the XXIst century engineers offer to medical doctors

### “Cooperation for the Effective Healthcare”

We warmly welcome papers jointly authored by medical doctors and engineers, reporting on the application of their results in healthcare. A special award will be offered to acknowledge the best joint achievement. Papers from all fields of biomedical engineering can be submitted. The sessions will be organized around the following main topics: Experts are encouraged to organize special sessions in their field. The beginning of September is a wonderful season in Budapest: no coat is required for a walk in the Castle Hill or in downtown. Looking forward to meeting you in Budapest,

<i>Nándor RICHTER</i>	<i>Ákos JOBBÁGY</i>
<i>chair of</i>	<i>congress president</i>
<i>International</i>	<i>chair of IM &amp; EMB</i>
<i>Advisory</i>	<i>Joint Chapter of</i>
<i>Committee</i>	<i>IEEE HS MVE</i>



### IEEE HS Newsletter

Publisher: **IEEE HS**  
Responsible for publishing: **Imre Rudas**  
Editor in Chief: **Peter Kadar**  
Dissemination: **ieehs mail list**  
News, infos: [peter.kadar@t-online.hu](mailto:peter.kadar@t-online.hu)  
Closing: **15<sup>th</sup> of May, 2010**