



INTERNATIONAL FEDERATION FOR MEDICAL AND BIOLOGICAL ENGINEERING

Affiliated with the International Union for Physical and Engineering Sciences in Medicine (IUPESM)

www.ifmbe.org

Date: June 11th, 2017

IFMBE Committee/Working Group/Division Report

Reported by Piotr Ladyzynski (Chair of Industry Working Group)

Activities: (2016)

At the end of 2015, Prof. Olof Lindahl resigned from the chairmanship of the IWG, and he kindly recommended Prof. Piotr Ladyzynski to the IFMBE Administrative Council as a potential candidate for this position for the 2016-2018 term. Prof. James Goh appointed Prof. Ladyzynski to the Chair of the Industry Working Group on February 1st, 2016.

Prof. Ladyzynski took part in the AC meeting during MEDICON 2016 in Paphos in March 2016, where he presented conclusions of the IWG meeting during the WC in Toronto in 2015. The IWG decided that the Atlas of Knowledge project should be put on hold. The IWG will resume the data input after reconfirming or redefining the mutual interest of the academia and the industry in the project. The IWG also decided that it should concentrate during the next 3-year term on the organizing of a series of regional IWG symposia or workshops gathering representatives of academia and industry, and, preferably also health care and patients' organizations. The aim of such events should be to identify the most appropriate ways of promoting and facilitating cooperation and collaboration between these actors of the health care system. The AC acknowledged these conclusions and the plan to organize a series of the IWG workshops/symposia in association with conferences sponsored or endorsed by the IFMBE in the 2016-2018.

Following these conclusions, the IFMBE IWG organized a symposium on "Successful cases of research, innovation and transfer technology to promote a link between the scientific community, industry and health services providers" during VII Latin American Conference on Biomedical Engineering (CLAIB 2016) at the Universidad Autonoma de Bucaramanga in Colombia. This symposium was held on 28th of October 2016. It gathered together 23 participants, including representatives of academia from a few Latin American countries and representatives of few companies, hospitals, and Ministry of Health from Colombia. The President, the Past President, the President-Elect, Secretary General and Treasurer represented the IFMBE during this event. Prof. Andrew Laine, President of the IEEE EMBS also attended the symposium. The meeting lasted for 3 hours during which 8 presentations were delivered (the program is included below in "Others" section)



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and a general discussion took place. During the debate, participants addressed some suggestions and formulated ideas that can be used during future activities of the IWG. For example, participants proposed to elaborate a registry of models of cooperation between the academia, and the industry that are used in different countries and that proved to be effective based on an experience of the IFMBE members. Organizations, which are interested in busting cooperation in the BME, medical technologies and health care sector, could use such model solutions.

In 2016 Prof. Ladyzynski queried the IWG members on a possibility of organizing the next special session of the IFMBE IWG during the EMBEC'17 & NBC'17 Conference in Tampere in June 2017. As a consequence of a positive response, Prof. Ladyzynski collected tentative proposals of presentations from the IWG members and submitted the session proposal entitled "Fostering Cooperation of Academia, Industry and Healthcare Sector". The Organizing Committee of the conference accepted the proposed symposium. The proposal is attached to this report in a separate document, and the final program of the symposium is provided below in "Others" section. The symposium is scheduled on 12th of June 2017 from 13:15 to 14:45 (session ID 032).

Others: (pictures/posters/.....)



Program of the IFMBE IWG Symposium on

"Successful cases of research, innovation and transfer technology to promote a link between the scientific community, industry and health services providers"
at the CLAIB 2016 Conference in Bucaramanga (Colombia)

Chairmen:

Piotr Ladyzynski (Nalecz Inst. of Biocybern. and Biomed. Eng. PAS, Warsaw, Poland),
Martha Lucia Zequera Díaz (Pontificia Universidad Javeriana, Bogota, Colombia)

- Piotr Ladyzynski (Nalecz Inst. of Biocybern. and Biomed. Eng. PAS, Warsaw, Poland): *Introduction of the IFMBE Industry Working Group. Towards mission and vision*
- Piotr Ladyzynski (Nalecz Inst. of Biocybern. and Biomed. Eng. PAS, Warsaw, Poland): *Boosting collaboration of the academic and research institutions with the medical technology companies in Poland*
- Paulo de Carvalho (University of Coimbra, Coimbra, Portugal): *The Instituto*



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Pedro Nunes. The Knowledge Transfer Interface of the University of Coimbra

- Nedjeljko Perić, Ratko Magjarevic (Faculty of Electrical Engineering, Zagreb University of Technology, Zagreb, Croatia): *Innovation Centre Nikola Tesla*
- Leonardo Rodriguez, Carlos Hernando Mesa (Fundación Cardiovascular de Colombia, Colombia): *Academia Industry Partnerships in the Biomedical Engineering Domain*
- Juan Guillermo Uribe (Set & Gad SAS, Colombia): *Successful case of innovation and transfer technology to promote a link between the scientific community, industry and health services providers*
- Andrea García Ibarra (Ministry of Health and Social Protection, Colombia): *Assessment and Management of Biomedical Equipment for Human Use in Colombia*
- Adriana Velasques Berumen (Medical Devices, World Health Organization): *WHO Perspective and Summary of the Symposium* (teleconference)



Joint conference of
European Medical and Biological Engineering Conference (EMBEC)
Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC)
11-15 June 2017 in Tampere, Finland

Program of the IFMBE IWG Special Symposium on “Fostering Cooperation of Academia, Industry and Healthcare Sector” at the EMBEC'17 & NBC'17 Conference in Tampere (Finland)

Chairman:

Piotr Ladyzynski (Nalecz Inst. of Biocybern. and Biomed. Eng. PAS, Warsaw, Poland)

- Maria Lindén, Mats Björkman, Christer Gerdtman, Bertil Hök (Mälardalen University, Västerås, Sweden): *Embedded Sensor Systems for Health – Collaboration Between Industry, Academia and Healthcare*
- Paweł Nowicki (BTM Innovations sp. z o.o., Warsaw Poland): *Life Science Innovation Ecosystem in Poland – Case Study of BioTechMed Mazovia Cluster*
- Martha Zequera, Ratko Magjarevic, D Toloza, C Cubides, J Arevalo, J Balcazar, S Gonzalez, A Carrascal (Pontificia Universidad Javeriana, Bogota, Colombia): *Methodology for Assessing Innovative Aesthetic Devices Based on the Collaboration Among the Government, the Academy and the Industry*
- Olaf Dössel (Karlsruhe Institute of Technology, Karlsruhe, Germany): *Collaboration in the Triangle: Biomedical Engineering Research - Industry -*



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Hospital

- Shankar Krishnan (Wentworth Institute of Technology, Boston, USA): *Academia*
Industry Partnerships in the Biomedical Engineering Domain
- Birgit Glasmacher (Leibniz Universität Hannover, Hannover, Germany): *Title TBA*

Notes: