

ICMAP 2018

The 7th International Conference on Microelectronics and Plasma Technology

July 24–28, 2018 / Songdo ConvensiA, Incheon, Korea

Prof. Eun Ha CHOI

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He got his Ph D from Korean Advanced Institute of Science and Technology in 1987. He has participated to high power pulsed plasmas, high power microwave (HPM) generation, focused and gas filled ion sources, plasma display panels as well as nonthermal atmospheric pressure plasma field with more than 500 SCI journal publications. During these research works, he developed many useful nonthermal atmospheric pressure plasma sources, which inevitably leads to new research area called plasma bioscience, medicine and agricultures. In this regard, he organized the **Plasma Bioscience Research Center (PBRC)** about 8 years ago, which is selected as a Center of Excellency and has been supported by Korea Government. Also recently he organized the **Applied Plasma Medicine Center (APMC)** for Global Research and Development Center with Leibniz INP Institute, Germany, at 2016, which was also selected as a Center of Global Excellency and supported by Korea Government. He has also won an award of “**Plasma medicine award (PMA)**” based on whole life-time achievements from international society of plasma medicine (ISPM) at 2016.

His current research fields are plasma biosciences and medicines on fundamental interactions of nonthermal bioplasma and biological cells developing various plasma sources and producing about 430 SCI papers and 50 patents in the plasma bioscience area. His plasma bioscience works in last 8 years are (1) Bioplasma source development and analysis; Micro-DBD, and Plasma jets for plasma medicine and agricultures, (2) Bioplasma interactions with biological cells and cancer cells, (3) OH measurement in bioplasma at atmospheric pressure, (4) Plasma density and temperature measurement in bioplasma at atmospheric pressure, (5) OH generation mechanism in liquids induced by bioplasma at atmospheric pressure, and (6) Interactions between plasmas and biomaterials for dental applications. Organizing world-wide networking of scientists, he is actively working on plasma bioscience, medicine and agricultures, in which he is a chairman of the international symposium ISPB (International symposium of plasma bioscience) and co-chairman of AEPSE, ICMAP, and IFFM. In fact, as the director of the PBRC & APMC, last 8 years he organized about 22 times the international workshops and symposium for plasma biosciences and medicines. Also he was working as a chairperson of Asian Joint Committee Member, Applied Plasma Science and Engineering, for plasma science networking and development during 2016-2017.

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. Award : Plasma Medicine Award (ISPM, 2016)

. Activities :

ISPB2018 : Chairman of Organizing committee (Since 2011)

Asian Joint Committee in Applied Plasma Science and Engineering : Chairperson (2016-2017)

Korean Physical Society : Vice-President, Director General of Policy (Since 2014)

Korean Vacuum Society : Director of Steering Board & Vice-President (Since 2015)

IVC-20 : Vice President in Organizing Committee (2016)

IFFM2017 : Chairman and cochairman of Organizing committee (Since 2014)

AEPSE2017 : Chairman of Program Committee (2017)

International Society of Plasma Medicine : Director Board (Since 2014)

International Workshop of Plasma Cancer Therapy: Director Board (Since 2014)

International Workshop of Plasma Agriculture : Director Board (Since 2014)

Plasma Medicine : Editor (since 2014)