



IFMBE Awards Program

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Call for 2022 Awards Nominations

The International Federation for Medical and Biological Engineering is seeking nominations for several 2022 awards. Award recipients will be honored at the World Congress on Medical Physics and Biomedical Engineering to be held in Singapore, from June 12 - 17, 2022. For more information on how to nominate an individual or a group, see the awards page at <https://ifmbe.org> or contact the Awards Committee Chair.

Closing Date for Nominations: 15th December 2021

IFMBE Awards Program

Introduction

The International Federation for Medical and Biological Engineering (IFMBE) recognizes the Biomedical Engineering professionals for their contributions to the Biomedical Engineering field. The awards are generally presented every three years on the occasion of the World Congress. The newest edition of the awards will be presented to the awardees in conjunction with the World Congress 2022 to be held in Singapore next year. There are currently numerous awards: the **Zworykin Award**, named after the IFMBE Founder President Professor V. K. Zworykin; the **Otto Schmitt Award**; the **John A. Hopps Distinguished Service Award**; and the **Laura Bassi Award**. Nominations for the awards are sought from all IFMBE constituent societies (national and transnational member societies). The review for nomination and the selection of the awardees are made by the IFMBE Awards Committee. The selected nominees are reviewed by the IFMBE Administrative Council for approval.

IFMBE recognizes distinguished biomedical engineers for their contributions of many years standing by granting the status of **IFMBE Honorary Life Member**

In addition to its own awards program, IFMBE also participates in the IUPESM awards program. IUPESM honors individuals with its **IUPESM Awards of Merit** which recognize every three years a Medical Physicist and a Biomedical Engineer who have established distinguished careers in Medical Physics and Biomedical Engineering, respectively. The IFMBE Awards Committee acts as IFMBE Sub-committee to the IUPESM Awards Committee and is responsible for the selection of the Biomedical Engineer to be awarded.

IFMBE also awards the winners of competitions organized as part of the World Congress and selected scientific events in the period between the congresses:

Young Investigators Competition,
Scientific Challenge Competition and
Student Design Competition.

The IFMBE supports the **IAMBE Early Career Award** in recognition to BME researchers at an early stage in their career.

Both IFMBE divisions, **the CED and the HTAD awards** professionals from their fields of expertise.

IFMBE also awards prizes in collaboration with other associations:

The IFMBE-WHO **Innovative HealthTech Awards** (with WHO)

James Edward Zimmerman Prize (with BIOMAG)

Call for Nominations

IFMBE Awards and Recognitions

Vladimir K. Zworykin Award

The Vladimir K. Zworykin Award is given to a Biomedical Engineer for outstanding research contributions in the field of medical and biological engineering. The criteria for nominations include innovation and outstanding research contributions to medical and biological engineering. The awardee will receive prize money of 2500 euros as well as travel funds to attend the World Congress 2022 in Singapore where the award will be presented. The awardee will be required to make a scientific presentation in the area of the awardee's expertise at the World Congress.

Otto Schmitt Award

The Otto Schmitt Award is given to a Biomedical Engineer for exceptional contributions to the advancement of the field of medical and biological engineering. The criteria for nominations include leadership and seminal contributions to medical and biological engineering. The awardee will receive prize money of 2500 euros as well as travel funds to attend the World Congress 2022 in Singapore where the award will be presented. The awardee will be required to make a scientific presentation in the area of the awardee's expertise at the World Congress.

John A. Hopps Distinguished Service Award

The John A. Hopps Distinguished Service Award winner is given to a Biomedical Engineer who has made significant contributions to the professional, technical, promotional, educational and/or scientific activities of the IFMBE, or of a regional organization of societies affiliated to the IFMBE. The awardee will receive prize money of 2500 euros as well as travel funds to attend the World Congress 2022 in Singapore where the award will be presented. The awardee will be required to make a presentation on the awardee's contributions to IFMBE and BME at the World Congress.

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Laura Bassi Award

The Laura Bassi Award is presented by IFMBE every three years at the World Congress. The award is given to a female Biomedical Engineer for outstanding research contributions in the field of medical and biological engineering. The criteria for nominations include leadership and seminal contributions to medical and biological engineering. The awardee will receive prize money of 2500 euros as well as travel funds to attend the World Congress 2022 in Singapore where the award will be presented. The awardee will be required to make a presentation in the area of her expertise at the World Congress.

IUPESM Awards of Merit

The IUPESM Awards of Merit (Biomedical Engineering) is given to a Biomedical Engineer who has made significant impact in the science and scientific practice of Biomedical Engineering. The awardee would have participated meritoriously in national and international organizations for Biomedical Engineering and have significantly influenced the development of the profession of Biomedical Engineering. The awardee will receive prize money of 2500 euros as well as travel funds to attend the World Congress 2022 in Singapore where the award will be presented. The awardee will be required to make a presentation on the awardee's scientific and professional contributions to BME at the World Congress.

Nomination Requirements

Nominations may be made by IFMBE entities, affiliated member societies, or a group of at least five distinguished IFMBE members. Nominees must be members of an IFMBE affiliated organization. A Curriculum Vitae is to be submitted together with a half-page biography, a photo, and a one-page write-up on the significant contributions made in relation to the specific criteria for the award for which nomination is made.

Submit nominations for those five Awards to:

Prof. Ratko Magjarevic, Vice-President, IFMBE Chair, IFMBE Awards Committee

Email address: ratko.magjarevic@fer.hr

Cc: contact@ifmbe.org

IFMBE Honorary Life Members

The title of IFMBE Honorary Life Member is bestowed on individuals who have rendered exceptional service to the Federation. Honorary Life members can be nominated at any time. A total of 10 recipients of the IFMBE Honorary Life Member Award are inducted every 3 years during each World Congress. Election for Honorary Members shall be conducted by members of the General Assembly at least 3 months before the IUPESM World Congress.

Submit nominations for those five Awards to:

Prof. James Goh, Past-President, IFMBE

Chair, IFMBE Nomination Committee

Email address: biegohj@nus.edu.sg

IFMBE Competitions

Young Investigators Award

The IFMBE Young Investigator Competition (YIC) is organized annually to recognize excellence in conference contributions whose primary authors are young investigators (persons under the age of 35). Ten finalists of the YIC will be announced before the beginning of the Congress and based on the evaluation of presentations of their research at the Congress, the YIC committee will decide on the competition winners. The awardees in 2022 will receive prize money as well as funds to support their attendance at the World Congress 2022 where the award will be presented.

Registration for participation in the competition is via the website of the WC2022
<https://wc2022.org/page/challenges-and-competitions.html>

IFMBE Scientific Challenge

In this edition of the IFMBE Scientific Challenge participants are asked to find the best solution for a defined problem in biomedical and health informatics. To participate as an individual or collective team, the participant(s) should register in the challenge to have access to the dataset for the competition and prepare a full paper for publication in the congress proceedings. The finalists will present their solutions and the best three solutions to the challenge will be awarded at the Congress.

Registration for participation in the competition is via the website of the WC2022
<https://wc2022.org/page/challenges-and-competitions.html>

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Student Design Competition

IFMBE Toh Siew-Lok BME Design Award

The focus of the competition is on the design of a low-cost medical device to improve healthcare in resource-scarce communities. To participate as an individual or collective team, the participant(s) should register in the design competition and prepare a full paper for publication in the congress proceedings. The finalists will present their solutions and the best three solutions to the challenge will be awarded at the Congress.

Registration for participation in the competition is via the website of the WC2022 <https://wc2022.org/page/challenges-and-competitions.html>

IFMBE / IAMBE Awards

The IFMBE-IAMBE Early Career Award

The IFMBE-IAMBE Early Career Award (ECA) highlights the commitment of the IFMBE and IAMBE to support and encourage promising young researchers at an early stage in their career. The Award consists of a certificate and a monetary award. Awards are given at each IUPESM World Congress to one individual from each of the following four geographic regions: North America, Central & South America, Europe & Africa, and Asian-Pacific. Particular emphasis is given to countries with a low economic background and to geographical diversity.

Registration for participation in the competition is via the website of the WC2022 <https://wc2022.org/page/challenges-and-competitions.html>

IFMBE Divisions' Awards

IFMBE CED Awards

The CED Awards honor those who made exceptional contributions to the Clinical Engineering profession. The Clinical Engineering Division of the IFMBE awards professionals under three categories:

IFMBE – CED Award

The award recognizes individuals who demonstrated a significant impact on the Clinical Engineering field, contributed significantly to the development of the CE profession, and whose activities on a national or international organization for CE have been meritorious.

Clinical Engineering Outstanding Teamwork Award

The award recognizes an individual or a group that fostered and facilitated cooperation between clinical

technology managers and other members of the healthcare field, achieving outstanding impact in clinical engineering.

Best Clinical Engineering Article and Conference Paper Award

This award recognizes an individual or group of authors that stood out for writing the best clinical engineering article published in IFMBE journals and proceedings during the previous year. This award specifically aims to encourage the development of clinical engineering as an academic discipline within biomedical engineering.

Submit nominations for IFMBE CED Awards to:

Mr. Tom Judd

IFMBE, CED Chair

Email address: judd.tom@gmail.com

IFMBE HTAD Awards

Health Technology Assessment Division honor those who made exceptional contributions to HTA. The Health Technology Assessment Division of the IFMBE awards professionals under three categories in the field of Health Technology Assessment of medical devices (HTA-MD):

HTAD Outstanding Contribution Award for engineering practitioners engineers who has made outstanding contributions to the field of HTA-MD.

HTAD Best Paper Award for authors who produced an impactful and outstanding paper in the field of HTA-MD.

HTAD Policy Award for Policymakers or stakeholders giving significant contribution to Biomedical Engineering in the field of HTA-MD.

Submit nominations for IFMBE HTAD Awards to:

Professor Ernesto Iadanza

IFMBE, HTAD Chair

Email address: ernesto.iadanza@unifi.it

The IFMBE-WHO Innovative HealthTech Awards

The World Health Organization (WHO) and IFMBE with support of the IFMBE Clinical Engineering Division (CED) made a joint effort to identify innovative health technologies designed and developed by students, researchers, and inventors. There are 4 awards that promote innovative health technologies that address global health concerns that are to be designed, developed, and be affordable for low-resource settings. The intent is to discover promising innovations that can be used to help people in countries that cannot afford to purchase and maintain expensive technologies. The

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IFMBE and WHO are offering the following 4 prizes: Best Medical Device Innovation, Best Digital Health Innovation, Best Healthcare Methodology Innovation and Best Clinical Engineering Innovation. Besides receipt of awards, the innovation will be included in the WHO compendium series.

Additional information:

Prof. Ratko Magjarevic, Vice-President, IFMBE
Email address: ratko.magjarevic@fer.hr

IFMBE / BIOMAG Awards

James Edward Zimmerman Prize

The Award is presented for exceptional contributions to the development of new methods in biomedical engineering. The primary criterion for the JZP is a significant contribution to novel SQUID-based and new generation of sensor developments, and applications in the field of biomagnetism. The award is presented biannually either at the BIOMAG Conferences or during the Biomagnetism Session of the World Congress with a monetary award of 1,000 EUR. The IFMBE would contribute to travel expenses and ask the WC organizers to waive the registration fee for the World Congress. The JZP winner is expected to give an oral presentation of the awarded research during a plenary session.

Nominations for the Award are processed by the organizers of BIOMAG events.

MBEC Awards

MBEC Nightingale Award

Alfred Nightingale was editor of the International Federation's Journal, now published as "Medical and Biological Engineering and Computing" (MBEC). In his memory, a prize was initiated, and it is awarded yearly by the Institute of Physics & Engineering in Medicine and the IFMBE for the best paper in the Federation's Journal. The prize, EUR 500, shall normally be made annually for the best scientific paper published in each volume of the Journal and awarded jointly to the research team.

MBEC Citation Award

The MBEC Citation Award is presented to author(s) of the paper published in the MBEC volume three years ago with the most citations in two subsequent years. The Citation Award to be presented at the World Congress 2022 will be for a paper published in 2019.

MBEC Award for a Young Paper Author

The Award is aimed for the author(s) of the best scientific paper published in the Federation's Journal by a young first author who made the essential contribution to the publication. The prize, EUR 250, shall normally be made annually for the paper published in the previous year volume of the Journal and shall be awarded to the first author.

Nominations for all MBEC Awards are processed by the IFMBE Federation Journal Committee.

Nomination Deadline

Closing Date for Nominations: 15th December 2021

For all additional information, please contact

Prof. Ratko Magjarevic, Vice-President, IFMBE
Chair, IFMBE Awards Committee
Email address: ratko.magjarevic@fer.hr

or

Visit

www.ifmbe.org