



IFMBE

International Federation for Medical and Biological Engineering

A member of the International Union for Physical and Engineering Sciences in Medicine (IUPESM)

IFMBE STUDENTS AND RECENT GRADUATES WORKING GROUP (S&RG-WG)

REPORT 2023 – 2025

Prof. Martha Zequera
Chair of S&RG-WG
IFMBE AC MEMBER



IUPESM
2025

World Congress on Medical Physics
and Biomedical Engineering

S&RG-WG

IFMBE STUDENTS & RECENT GRADUATES WORKING GROUP



MEMBERS



Shankar Krishnan, Prof.

Past-president IFMBE
Mentor of IFMBE Student & Recent
Graduates Working Group



Martha Zequera, Prof.

IFMBE- AC member.
Chair of IFMBE Students & Recent
Graduates Working Group
Full profesor Pontificia Universidad
Javeriana de Bogota - Colombia



Jari Hyttinen, Prof.

IFMBE- AC member.
Co-chair of IFMBE Student & Recent
Graduates Working Group
Head of BioMediatech unit, Faculty of
Medicine
and Health Technology. Tampere University



Leslie Cieza, M.Sc. Student.

Member of IFMBE Student & Recent
Graduates Working Group
Clinical Engineering Coordinator of
Universidad Peruana Cayetano Heredia



Anna Stecka, Ph.D. Student.

Member of IFMBE Student & Recent
Graduates Working Group
Nalecz Institute of Biocybernetics and
Biomedical Engineering Polish Academy of
Sciences (IBBE PAS)



Mariana Brandão Ph.D. Student.

Member of IFMBE Student & Recent
Graduates Working Group
PhD Student - Biomedical Engineering
Federal University of Santa Catarina,
Brazil.



Krunoslav Jurčić, Ph.D. Student.

Member of IFMBE Student & Recent
Graduates Working Group
Ph.D. Student at the University of Zagreb,
Croatia



Julio Amaya

Member of IFMBE Student & Recent
Graduates Working Group
iomedical Engineer from Universidad
Don Bosco.



Priscilla Ledezma

Member of IFMBE Student & Recent
Graduates Working Group
Biomedical Equipment Engineer, UCIMED



Nora (Shi yi wu) Ph.D. Student.

Member of IFMBE Student & Recent
Graduates Working Group
Chung Yuan Christian University



Andrea Ruiz

Member of IFMBE Student & Recent
Graduates Working Group
Pontificia Universidad Javeriana de Bogota



Hugo Gonzales

Member of IFMBE Student & Recent
Graduates Working Group
Universidad de Guadalajara



Mateo Valverde, M.Sc. Student.

Member of IFMBE Student & Recent
Graduates Working Group
Escuela de Posgrado Newman

S&RG-WG

IFMBE STUDENTS & RECENT GRADUATES WORKING GROUP



INTERNATIONAL STUDENTS INVITED 2023 - 2025



| Krunoslav Jurčić |



| Leslie Cieza |



| Mateo Valverde |



| Mariana Brandão |



| Yeison Luna |



| Chuang En |



| Faruk Gutić |



| Ana Paula Medina |



| Sumeja Hadžalić |



| Nicole Prem |



| Carolina Ruiz |



| Ludy Fajardo |



| Adna Softić |



| Julio Amaya |



| Andrea Bouza |



| Alejo Barrio |



| Simon Sierra |



| Santiago Lynett |



| Arina Klimova |



| Vineta Vanaga |



| Carolina Guinart |



| Florencia Navarro |



| Andrea Ruiz |



| Santiago Mesa |



| Julian Sierra |



| Miia Hurskainen |



| Tomy Suárez |



| Diego Bustos |



| Santiago Ramirez |



| Sofía Chacón |



| Anna Stecka |



| Shi-Yi Wu |



| Francisca Zamorano |



| Maximiliano Galván |

S&RG-WG

IFMBE STUDENTS & RECENT GRADUATES WORKING GROUP



INTERNATIONAL PROFESSORS INVITED 2023 - 2025



| Prof. Ratko Magjarević |



| Prof. Shankar Krishnan |



| Prof. Piotr Ładzyński |



| Prof. Kang Ping LIN |



| Prof. Martha Zequera |



| Prof. Damijan Miklavčič |



| Prof. Tomaz Jarm |



| Prof. James Goh |



| Dr. Isnardo Torres |



| Prof. Virginia Ballarin |



| Prof. Fernando Ballina |



| Prof. Yasemin Akay |



| Adna Softić, MSc |



| Prof. Fabiola Martinez |



| Prof. Arta Akurātere-Freiberga |



| Prof. Martins Pīksis |



| Prof. Esteban Pino |



| Prof. Lenka Lhotska |



| Prof. Cesar Rodrigues |

S&RG-WG

IFMBE STUDENT & RECENT GRADUATES WORKING GROUP



IFMBE MISSION

The mission of the IFMBE is to **encourage, support, represent and unify** the world-wide **Medical and Biological Engineering** community in order to promote health and quality of life through **advancement of research, development, application and management of technology.**

IFMBE GOALS

Within the framework of the six goals established by the IFMBE, the Students and Recent Graduates Working Group specifically responsible for addressing Goal 1 and Goal 2.

1

To function as **the leader in representing the international community** of medical and biological engineering

2

To foster **the creation, dissemination and application of medical and biological engineering knowledge** and the management of technology for improved health and quality of life

S&RG-WG

IFMBE STUDENT & RECENT GRADUATES WORKING GROUP



ACTIVITIES S&RG-WG 2023-2025

- 1. To consolidate the S&RG Seed Group of Students and Recent Graduates, initially established in Latin America and Europe,** with members from IFMBE national societies in Costa Rica, Peru, El Salvador, Brazil, Mexico, Colombia, Poland, Croatia, and Taipei.
- 2. Promote special sessions** to highlight the benefits of IFMBE membership and networking opportunities for S&RG across various regions.
- 3. Promote International IFMBE Summer Schools** as a model for all regions in MBE Emerging Technologies, in collaboration with IFMBE Education & Accreditation Committee, and IFMBE Industry Committee based on the successful experience of Summer Schools held in Bogota, Colombia.
- 4. Organize the IFMBE World S&RG WG Open Day,** with the aim of promoting the exchange of experiences among IFMBE members worldwide and IFMBE fellows, along with students from the five IFMBE regions, to foster integration within the IFMBE community and bridge the generational gap on this special day.
- 5. Organize a Special Session of the IFMBE S&RG-WG** at the World Congress of Medical Physics & Biomedical Engineering IUPESM, Adelaide, 2025

S&RG-WG

IFMBE STUDENT & RECENT GRADUATES WORKING GROUP



ACTIVITIES S&RG-WG 2023-2025

1. To consolidate the S&RG Seed Group of Students and Recent Graduates, initially established in Latin America and Europe, with members from IFMBE national societies in Costa Rica, Peru, El Salvador, Brazil, Mexico, Colombia, Poland, Croatia, and Taiwan.



Leslie Cieza,



Anna Stecka



Mariana Brandão



Krunoslav Jurčić



Julio Amaya



Priscilla Ledezma



Nora (Shi yi wu)



Andrea Ruiz



Hugo Gonzales



S&RG-WG

IFMBE STUDENT & RECENT GRADUATES WORKING GROUP



ACTIVITIES S&RG-WG 2023-2025

2. Promote special sessions to highlight the benefits of IFMBE membership and networking opportunities for S&RG across various regions.

09 Special Sessions BME 2023-2025
09 Countries
+500 Participants engaged



S&RG-WG

IFMBE STUDENT & RECENT GRADUATES WORKING GROUP



SPECIAL SESSIONS



S&RG-WG

IFMBE STUDENT & RECENT GRADUATES WORKING GROUP



ACTIVITIES S&RG-WG 2023-2025

3. To promote International IFMBE Summer Schools as a model for all regions in MBE Emerging Technologies, in collaboration with IFMBE Education & Accreditation Committee, and IFMBE Industry Committee based on the successful experience of Summer Schools held in Bogota, Colombia.

10th ANNIVERSARY SUMMERS SCHOOL
JAVERIANA
EMERGING TECHNOLOGIES TO SUPPORT HEALTH CARE AND INDEPENDENT LIVING
EMPOWERING ELDERLY CARE THROUGH DIGITAL HEALTH ECOSYSTEMS AND ADVANCED TECHNOLOGIES
June 24th to 28th 2025
Sponsored by
IFMBE
Siemens Healthineers, PMLKIM, SIEMENS, EDUCACION CONTINUA, MCB, productiva, WAPS, HART, ubiqulo, Calum



S&RG-WG

IFMBE STUDENT & RECENT GRADUATES WORKING GROUP



SUMMER SCHOOL IN NUMBERS

+400

STUDENTS IN THE WORLD

15

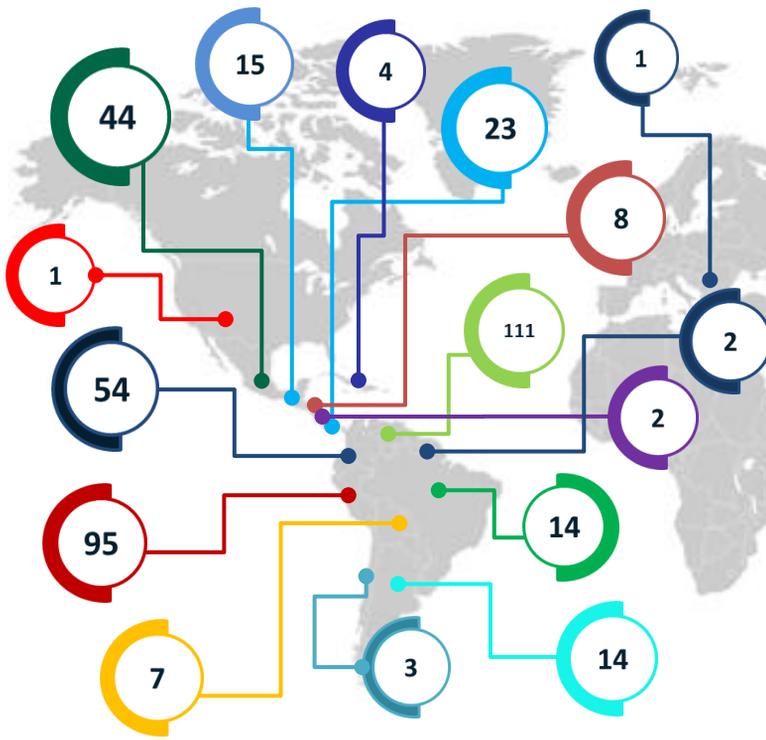
IFMBE SPEAKERS

17

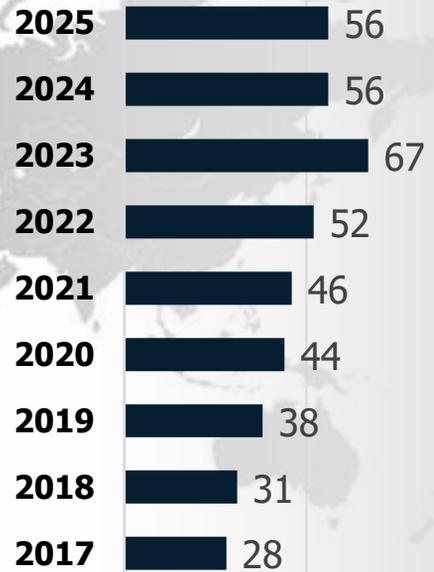
COUNTRIES

20

ENTERPRISES



Participants



0 50 100

- Colombia
- Peru
- Ecuador
- Mexico
- El Salvador
- Guatemala
- Argentina
- Brazil
- Costa Rica
- Bolivia
- Cuba
- Chile
- Panama
- Canada
- Nicaragua
- Honduras
- Croatia

S&RG-WG

IFMBE STUDENT & RECENT GRADUATES WORKING GROUP



SUMMER SCHOOL 2025

In 2025, S&RG-WG members evolved from participants into trainers, consolidating their role as true 'trainers of trainers'



S&RG-WG

IFMBE STUDENT & RECENT GRADUATES WORKING GROUP



SUMMER SCHOOL 2025

The participating students shared and disseminated their knowledge in their respective countries.



S&RG-WG

IFMBE STUDENT & RECENT GRADUATES WORKING GROUP



ACTIVITIES E&A COMMITTEE

4. To organize the IFMBE World S&RG WG Open Day, with the aim of promoting the exchange of experiences among IFMBE members worldwide and IFMBE fellows, along with students from the five IFMBE regions, to foster integration within the IFMBE community and bridge the generational gap on this special day.

The poster features the IFMBE logo at the top left, with the text "International Federation for Medical and Biological Engineering" below it. To the right is the "S&RG-WG" logo. The main title "OPEN DAY 2025: SUMMER SCHOOL" is prominently displayed in the center. Below the title, a grid of 24 small photos shows participants from various countries, some wearing Santa hats. A list of speakers with their names and national flags is provided, including Prof. Andrej Gajdarski (Slovenia), Prof. Maurice Willem (USA), Prof. Paul Subbaraj (India), Prof. Xing Peng (China), Prof. Marko Djuric (Croatia), Prof. Sushil Kulkarni (India), Prof. Sanyasi (India), and Prof. James Lee (USA). A large group photo of participants is at the bottom. A "REGISTER NOW" button is located in the lower right quadrant.

IFMBE
International Federation for Medical and Biological Engineering

**OPEN DAY 2025:
SUMMER SCHOOL**

Organized by IFMBE S&RG-WG in order to promote the exchange of experiences of IFMBE members from all over the world, past-members and fellows of IFMBE with students from the 05 regions to integrate the IFMBE community and reduce the gap between generations on a special day.

- Discover how AI, blockchain, and neurotech are reshaping elderly care
- Connect with top experts
- Explore the 10th Summer School
- Share ideas and bridge generations in a global forum

REGISTER NOW

Prof. Andrej Gajdarski (Slovenia) | Prof. Maurice Willem (USA) | Prof. Paul Subbaraj (India) | Prof. Xing Peng (China)
Prof. Marko Djuric (Croatia) | Prof. Sushil Kulkarni (India) | Prof. Sanyasi (India) | Prof. James Lee (USA)

S&RG-WG

IFMBE STUDENT & RECENT GRADUATES WORKING GROUP



ACTIVITIES S&RG-WG 2023-2025

5. Organizing a Special Session of the IFMBE S&RG-WG at the World Congress of Medical Physics & Biomedical Engineering IUPESM, Adelaide, 2025

IUPESM World Congress on Medical Physics and Biomedical Engineering



SPECIAL SESSION: IFMBE Special Symposium on Empowering Young Researchers, Early Career Professionals, and Students to Conduct Innovative Socially Impactful Projects

Activity organized by: IFMBE Education & Accreditation E&A Committee and IFMBE Students & Recent Graduates Working Group(S&RG-WG).

Prof Martha Zequera, Leslie Cieza, Anna Stecka, Krunoslav Jurčić, and Llewelyn Hails.

September 29th – October 4th, 2025



Martha Zequera, Prof.

IFMBE- AC member.
Chair of IFMBE Students & Recent Graduates Working Group
Full profesor Pontificia Universidad Javeriana de Bogota - Colombia



Anna Stecka, Ph.D. Student.

Member of IFMBE Student & Recent Graduates Working Group
Nalecz Institute of Biocybernetics and Biomedical Engineering Polish Academy of Sciences (IBBE PAS)



Leslie Cieza, M.Sc. Student.

Member of IFMBE Student & Recent Graduates Working Group
Clinical Engineering Coordinator of Universidad Peruana Cayetano Heredia



Krunoslav Jurčić, Ph.D. Student.

Member of IFMBE Student & Recent Graduates Working Group
Ph.D. Student at the University of Zagreb, Croatia

S&RG-WG

IFMBE STUDENT & RECENT GRADUATES WORKING GROUP



FUTURE

- 1. Consolidate a functional and inclusive structure** for students and recent graduates (young researchers), organizing members by level of training, interests, and roles, while creating structured engagement channels with IFMBE divisions to ensure cross-collaboration, integration, and stronger institutional presence across all areas of the Federation.
- 2. Establish mechanisms of collaboration** with existing youth societies in biomedical engineering, including organizations from CORAL, the Portuguese association, the Singapore Young Chapter, and IEEE EMBS student chapters, to strengthen international networking, institutional linkage, and knowledge exchange.
- 3. Promote innovation, leadership, and entrepreneurship by organizing special sessions, seminars, workshops, and webinars** on business models, project management, and professional growth, equipping students and recent graduates with the skills required to address global challenges in biomedical engineering while fostering cross-regional collaboration.
- 4. Contribute to the global expansion of the Summer School model** by engaging students and recent graduates as participants, speakers, mentors, and organizers to ensure continuity of youth-led initiatives, while fostering innovation, cross-regional collaboration, and professional development opportunities across all IFMBE regions.
- 5. Promote global visibility by implementing a social media strategy** (LinkedIn and Instagram) to expand outreach, strengthen institutional presence, and increase engagement of students and recent graduates worldwide.
- 6. Expand opportunities for participation and growth by offering scholarships for international academic events,** and by facilitating exchange programs and short-term laboratory internships to foster collaborative research and joint publications
- 7. Strengthen international presence** by organizing an International Student Conference alongside IFMBE global events, and by actively promoting student and recent graduate participation in the IUPESM World Congress 2028.

2025

**IFMBE STUDENT & RECENT GRADUATES
WORKING GROUP
(IFMBE S&RG-WG)**

<https://ifmbe.org/>

Contact: Martha Zequera Díaz

Email: mzequera@javeriana.edu.co



IFMBE

International Federation for Medical and Biological Engineering

A member of the International Union for Physical and Engineering Sciences in Medicine (IUPESM)