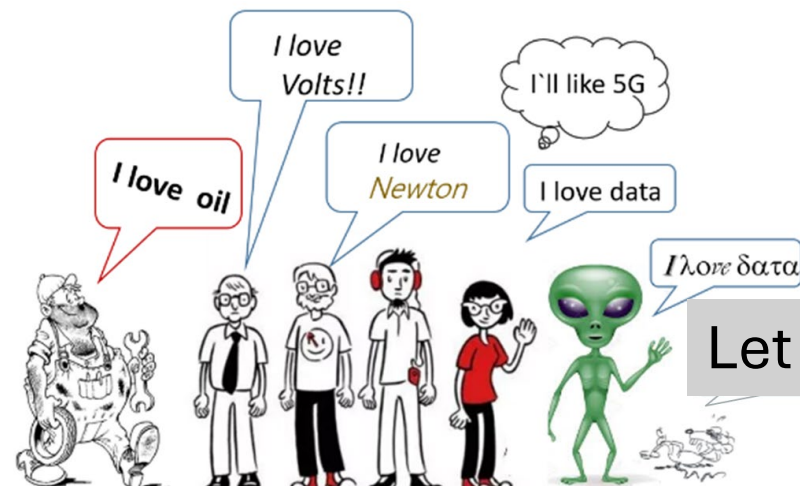


# YMAN

The *Y*oung Researchers' *M*anufacturing Network



Let's cooperate!!

## WHY YMAN in 2026

- It is open to **international scholars** with a doctoral degree, focusing on future machine tools and manufacturing technologies.
- It features both a **Young, Senior, and Leading Researchers Committees**, to foster collaboration across generations.
- To promote research joint actions, **stays in different countries** and cooperation.



# MANUFACTURING IS THE KEY, IS KEY!!!

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- 1. Intelligent Machine Tools:** (Intelligent, multi-task machine tools, tooling/fixture systems, intelligent process monitoring, sensing, and control, etc.)
- 2. Virtual Manufacturing:** (Physics-informed machine learning based process modeling, integrated modeling for geometry and dynamics, digital twins, and virtual metrology, etc.)
- 3. AI in Manufacturing:** (AI & Data-Driven Manufacturing, smart manufacturing and Industry 4.0 applications, sustainability, and energy-efficient manufacturing processes, ect.)
- 4. Advanced Metrology:** (Metrology and dimensional inspection in production, laser, and non-contact measurement systems, in-situ/online measurement, etc.)
- 5. Robots in Production:** (Robots for measurement/assembly/handling, robotic machining, human-robot collaboration, embodied AI robots, etc.)
- 6. Hybrid Manufacturing:** (Laser-based and hybrid machining, hybrid additive–subtractive manufacturing, metal additive manufacturing technologies, etc.)
- 7. New Materials Processing:** (Advanced materials and alloys, surface integrity, functional surfaces, high-performance manufacturing, etc.)

# Benefit from the YMAN?


































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- Meet new friends, absorb new knowledge, enhance academic taste and pursuit.
- Opportunities to showcase research achievements of young researchers.
- Opportunities to receive comments and suggestions from leading experts.
- Get the opportunity to publish a paper in a special issue.
- Opportunities to establish cooperative relationships with other members.
- Jointly apply for international research projects and jointly tackle academic challenges.

# CURRENT MEMBERS: COMMITTEES

## Young (aprox. age under 45)

Jun Wang	University of the Basque Country	
Lai Hu	Tsinghua University	
Lele Bai	Xi'an Jiaotong University	
Haizea González	University of the Basque Country	
Wilmer Segundo Velilla Díaz	Universidad de La Serena	
Robson Bruno Dutra Pereira	Universidade Federal de Ouro Preto	
Cristian Fabian	University of Ambato	
Dong Wang	Tsinghua University	
Binbin Xu	Quzhou University	
Maxiao Hou	Xi'an Jiaotong University	
Mohammad Rauf Sheikhi	Samsun University	
Dongqian Wang	Beijing Jiaotong University	
Yuyang Tang	Xi'an Jiaotong University	
Runqiong Wang	Qingdao University of Science and Techno	
Fengze Qin	Chongqing University	
Gaizka Gómez Escudero	University of the Basque Country	
Jorge Salguero	University of Cadiz	
Juan Manuel Vázquez Martínez	University of Cadiz	
Jon Iñaki Arrizubieta Arrate	University of the Basque Country	
Xiaoming Duan	Harbin Institute of Technology	
Felipe Marin	Federal University of Santa Catarina	
Irene Del Sol Illana	University of Cadiz	
Gabriela Rodríguez García	University of Cadiz	
Javier García Fernández	University of Cádiz	
Mercedes Andrea Duran	National University of Hurlingham	
Aizpea Urresti Ubillos	University of the Basque Country	
Dongdong Xu	Tongji University	
Jian Weng	Wuhan University of Technology	
	Huazhong University of Science and Technology	
Dong Zhang		
	Huazhong University of Science and Technology	
Tao Huang		
Omar Barrionuevo	University of San Francisco de Quito	

## Senior

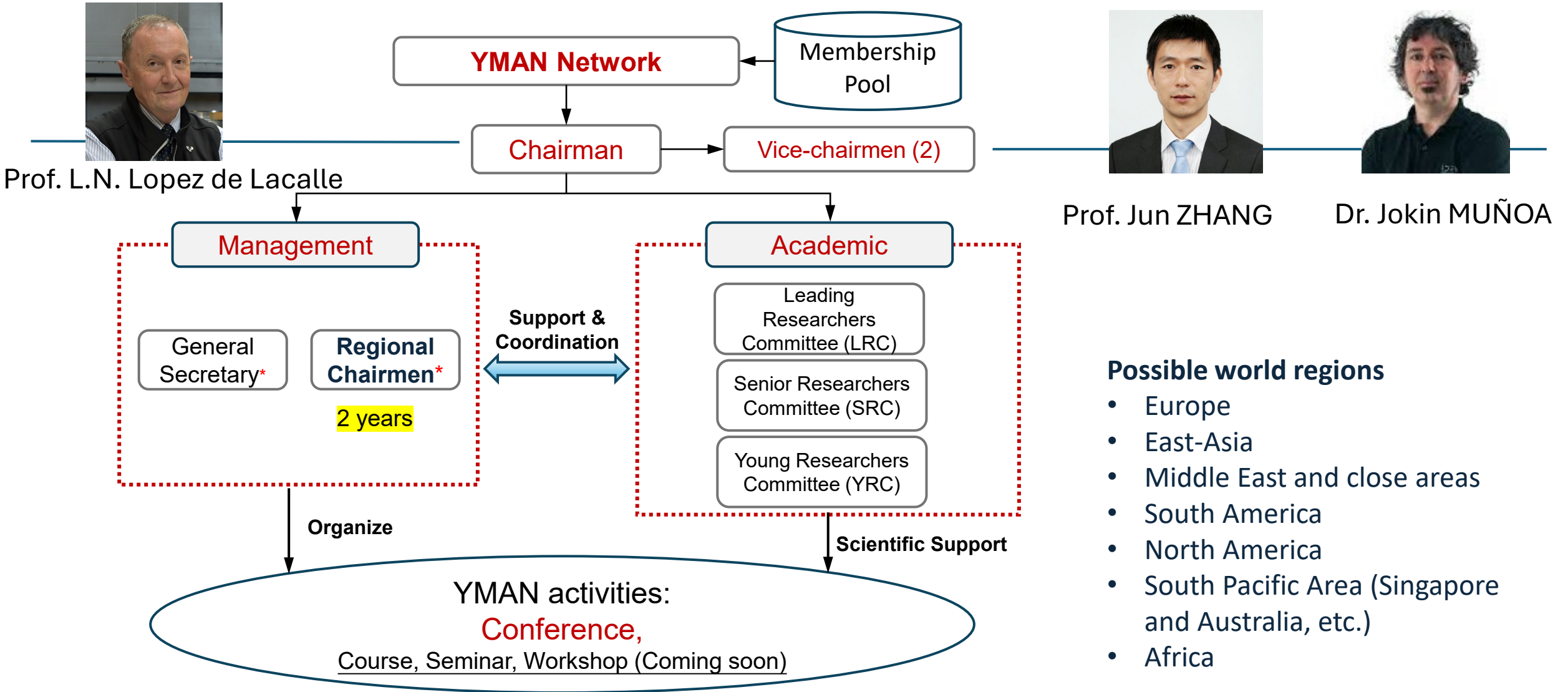
Amaia Calleja	University of the Basque Country	
Daniel Olvera Trejo	Monterrey Institute of Technology	
Antonio Sánchez Egea	Universty Polythehcic Catalunya	
Yun Yang	Northwestern Polytechnical University	
Ni Chen	Nanjing University of Aeronautics and Astrona	
Hongguang Liu	Xi'an Jiaotong University	
Łukasz Żyłka	Rzeszów University of Technology	
Adriano Fagali de Souza	Federal University of Santa Catarina	
Carolina Bermudo Gamboa	University of Málaga	
Moisés Batista Ponce	University of Cádiz	
Jixiang Yang	Huazhong University of Science and Technolog	
Huan Zhao	Huazhong University of Science and Technolog	
Sergej Hloch	Technical University of Ostrava	
Xiaojian Zhang	Huazhong University of Science and Technolog	
Fuat Kara	Düzce University	
Iñigo Flores Ituarte	Tampere University	
Viorel Păunoiu	University of Galati	
Xiaoliang Jin	The University of British Columbia	
Andres Bustillo	University of Burgos	
Maria Luisa Garcia-Romeu	University of Girona	
Niccolò Grossi	University of Firenze	
Sergi Menargues	Polytechnic University of Catalonia	
Djordje Vukelic	University of Novi Sad	
	Institute of Infrastructure, Technology, Research and Management(IITRAM)	
Navneet Khanna		
Gorka Urbikain	University of the Basque Country	
Gorka Aguirre	IDEKO	
François Ducobu	University of Mons	
Zhenlong Fang	Beihang University	
Ana Isabel Fernández Abia	University of León	

## Leading

L. N. López de Lacalle	University of the Basque Country	
Erhan Budak	Sabanci Univeristy	
Jun Zhang	Xi'an Jiaotong University	
Xiaodong Yang	Harbin Institute of Technology	
Aitzol Lamikiz	University of the Basque Country	
Naiara Ortega	University of the Basque Country	
Min Wan	Northwestern Polytechnical University	
Ming Luo	Northwestern Polytechnical University	
Qinghua Song	Shandong University	
Jokin Munoa	IK4-IDEKO	
	Tokyo University of Agriculture and Technology	
Ugur Koklu		
José Antonio Yagüe Fabra	Universidad de Zaragoza	
Yusuf Kaynak	Marmara University	
Joël Rech	Centrale Lyon-ENISE	
Massimiliano Annoni	Polytechnic University of Milan	
Giovanni Totis	University of Udine	
Daniel Martínez Krahmer	INTI-Mechanical	

Until now, more than 90 members from more than 20 countries !!!

# Proposed structure



# Secretary team

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**Dr. Lele Bai**  
IDEKO (future)



**Dr. Jun Wang**  
Xi'an Jiaotong University



**Dr. Lai Hu**  
Tsinghua University



**Dr. Haizea González**  
University of Basque Country





**Coming soon!!!**

The **YMAN Symposium** is an annual event held in a hybrid format to facilitate high-level academic exchange.

**1-day web-based event** to present researching works.

The best will be offered to be submitted to the Special issues opened.



## Tips:

- The objective is the **research quality**, so English is not going to be the trouble...**all we understand the language of engineering!!**
- **Interchanging ideas** can open relations between people.
- **Young people** are open to collaborate, this is the key



**1<sup>st</sup> YMAN 2026 Conference**  
The Young Researchers'  
Manufacturing Network

## CALL FOR PAPERS

### An International WEB-BASED Conference

The inaugural YMAN 2026 Conference provides a forum for young researchers, engineers, and industrial professionals to exchange ideas and present advances in next-generation manufacturing technologies. Contributions are welcome in intelligent machine tools, advanced machining, additive and hybrid manufacturing, and manufacturing metrology and monitoring.

#### IMPORTANT DATES

Abstract submission deadline	1 June 2026
Full paper submission deadline (4 pages)	15 September 2026
Acceptance notification:	16 October 2026
Conference	29–30 October 2026

#### CONTACT

Email: [YMAN2026@yman-network.org](mailto:YMAN2026@yman-network.org)

#### SCOPE

Manufacturing based on mechanical techniques and additive processes is a cornerstone of modern machine and product development. Manufacturing technologies such as machining, grinding, polishing, electro discharge machining (EDM), laser-assisted machining, and other material removal processes enable high levels of quality, accuracy, and productivity. Topics of interest (indicative, not limited to):

- Artificial intelligence in machining
- Manufacturing of flexible parts in aviation
- Smart manufacturing and Industry 4.0 applications
- Advanced materials and alloys for manufacturing
- Surface integrity and functional surfaces
- Laser-based and hybrid machining processes
- Metal additive manufacturing technologies (SLM, EBM, DED, Binder Jetting)
- Hybrid additive–subtractive manufacturing
- Intelligent, multitask machine tools
- Intelligent tooling/fixture system
- Digital twins and virtual metrology
- Process monitoring, sensing, and control

YMAN 2026 Conference | <https://yman-network.org/en/> | [YMAN2026@yman-network.org](mailto:YMAN2026@yman-network.org)



**YMAN 2026 Conference**  
Next-Generation Machine Tools and Manufacturing Technology

Click here, type the title of your paper, Capitalize first letter

First Author<sup>a</sup>, Second Author<sup>b</sup>, Third Author<sup>a,b,\*</sup>

<sup>a</sup>First affiliation, Address, City and Postcode, Country  
<sup>b</sup>Second affiliation, Address, City and Postcode, Country

\* Corresponding author. Tel.: +0-000-000-0000 ; E-mail address: author@institute.xxx

#### Abstract

Abstract should be at most 10 lines.

**Keywords:** Type your keywords here, separated by semicolons ;

#### 1. Main text

Here introduce the paper, and put a nomenclature if necessary, in a box with the same font size as the rest of the paper. The paragraphs continue from here and are only separated by headings, subheadings, images and formulae. The section headings are arranged by numbers, bold and 10 pt. Here follows further instructions for authors.

#### Nomenclature

A	radius of
B	position of
C	further nomenclature continues down the page inside the text box

#### 1.1. Structure

Files must be in MS Word only and should be formatted for direct printing, using the CRC MS Word provided. Figures and tables should be embedded and not supplied separately.

Please make sure that you use as much as possible normal fonts in your documents. Special fonts, such as fonts used in the Far East (Japanese, Chinese, Korean, etc.) may cause problems during processing. To avoid unnecessary errors you are strongly advised to use the 'spellchecker' function of MS Word. Follow this order when typing manuscripts: Title, Authors, Affiliations, Abstract, Keywords, Main text (including figures and tables), Acknowledgements, References, Appendix. Collate acknowledgements in a separate section at the end of the article and do not include them on the title page, as a footnote to the title or otherwise.

Bulleted lists may be included and should look like this:

- First point

- Second point
- And so on

Ensure that you return to the 'Els-body-text' style, the style that you will mainly be using for large blocks of text, when you have completed your bulleted list.

Please do not alter the formatting and style layouts which have been set up in this template document. As indicated in the template, papers should be prepared in double column format suitable for direct printing onto paper with trim size 210 x 297 mm. Do not number pages on the front, as page numbers will be added separately for the preprints and the Proceedings. Leave a line clear between paragraphs. All the required style templates are provided in the file "MS Word Template" with the appropriate name supplied, e.g. choose 1. Els1st-order-head for your first order heading text, els-abstract-text for the abstract text etc.

#### 1.2. Tables

All tables should be numbered with Arabic numerals. Every table should have a caption. Headings should be placed above tables, left justified. Only horizontal lines should be used within a table, to distinguish the column headings from the body of the table, and immediately above and below the table. Tables must be embedded into the text and not supplied separately. Below is an example which the authors may find useful.

Table 1. An example of a table.

An example of a column heading	Column A (t)	Column B (t)
And an entry	1	2
And another entry	3	4
And another entry	5	6

Peer-review under responsibility of the committee of the YMAN Network.

- **October 2026**
- **We need your work and presentation. Please prepare.**
- **Web-based format**
- **No paper copyright**
- **No register fee**
- **6 pages manuscript**
- **Nice work will be recommended to Special issues**
- **...**

# Let's exchange ideas!!!

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# Helping one each other

- China and Spain has and has very Good relationship
- Science can joints us
- We can receive pre and post doc students
- “I help you, we cite you, we propose collaborative works..”



<https://yman-network.org/en/>

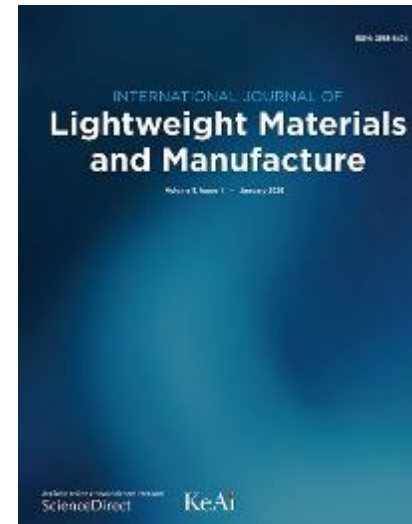
Next-Generation Machine Tools and Machining Technology



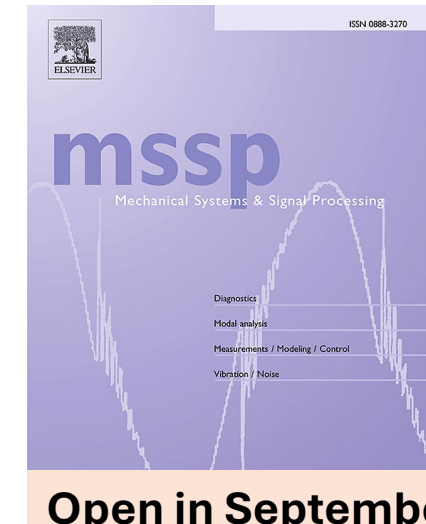
Manufacturing Processes and Machine Tools for Challenging



High Performance Machining of Aircraft Materials



E. Budak, G.Urbikain, Min Wan, Ming Luo, D.Olvera



Open for submission

Open in September  
Coming soon !

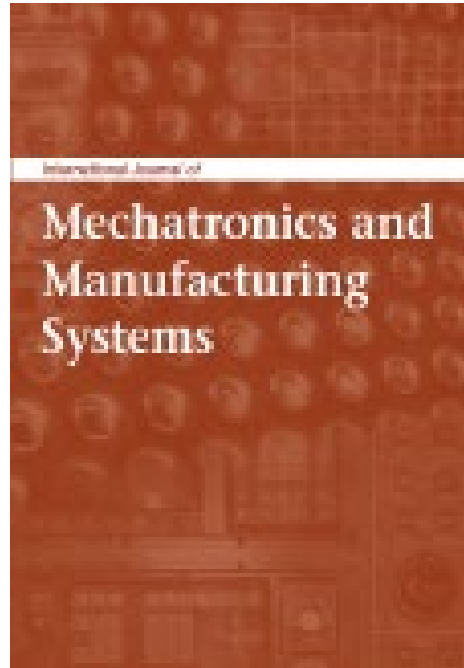
# Other with future growth

They will introduce in Scopus



Editor-in-Chief  
Luis Norberto López de Lacalle

University of the Basque Country (UPV/EHU)  
Bilbao, Spain



International Journal of Mechatronics and  
Manufacturing Systems

Regional Editor Europe  
Lopez de Lacalle, Luis Norberto,  
University of the Basque Country, Spain

## Others? Why not?

# Supporting organizations

**CFAA**

Fabrikazio Aeronautiko Aurreratuko Zentroa  
Centro de Fabricación Avanzada Aeronáutica



西安交通大学  
XI'AN JIAOTONG UNIVERSITY



哈爾濱工業大學  
HARBIN INSTITUTE OF TECHNOLOGY



**POLITECNICO**  
MILANO 1863

**ID EKO**

MEMBER OF BASQUE RESEARCH  
& TECHNOLOGY ALLIANCE

**TUAT**

Tokyo University of Agriculture and Technology

***“When you start to move...others will joint you in the way”***

*Spanish proverb*



Universidad del País Vasco  
Euskal Herriko Unibertsitatea

**Sabancı Üniversitesi**



**UMONS**

## CCST (Association China-Spain Science and Technology)



### 新闻动态

Back

#### Warm congratulations to Prof. D Association of China Spain Scie appointed Honorary Professor a

click to view the post from European Academy of Sciences on LinkedIn

On December 3, 2024, Professor Zhang Liqun, Pre of the Chinese Academy of Engineering, led a dele Studies of Materials (IMDEA Materials) in Spain. C Manuel Torralba, Director of IMDEA Materials, Pre honorary professorship of Xi'an Jiaotong Universit with the honorary professorship certificate.



2024年6月28日，中国—西班牙科技协会在马德里召开成立大会，驻西班牙大使姚敬出席并致辞，协会会长王德义及会员代表、旅西华侨华人代表等近百人参加。



姚大使表示祝贺，并希望中国—西班牙科技协会团结和服务旅西科技人员，充分发挥人才和专业优势，积极促进中西科学家交流互鉴，打造中西两国学术研讨与交流的平台，团结协作，共同为推动中西科技合作高水平、高质量发展作出更大的成绩和贡献。



### Application for Membership in the Association China-Spain Science and Technology (CSST)

Dear CSST,

On behalf of The Young Researchers' Manufacturing Network (YMAN), we hereby formally apply for membership in the CSST and seek to become an affiliated academic research and exchange organization.

YMAN is an international academic initiative currently in preparation. It aims to bring together outstanding early-career researchers worldwide who are engaged in the study of next-generation machine tools and advanced manufacturing technologies, and to foster high-level collaboration. After nearly six months of preparation, YMAN has attracted close to 100 committee members from across the globe. Its defining characteristic is a strong focus on mentoring and developing young researchers, committed to building an open, collaborative, and supportive platform for their growth.

YMAN was jointly initiated by the University of the Basque Country (UPV/EHU), Spain, and Xi'an Jiaotong University (XJTU), China, with substantial support from both institutions. The Chair of the YMAN Preparatory Committee is Professor Luis Norberto López de Lacalle (UPV/EHU). The organization's structure comprises a Secretariat, a Leading Researchers Committee, a Senior Researchers Committee, and a Young Researchers Committee. We plan to facilitate high-quality academic exchange and cooperation through regularly organized conferences, symposia, and workshops, both online and in-person.

The majority of YMAN's members are from China and Spain, which aligns closely with your Association's mission to promote scientific and technological exchange between the two countries. We are confident that becoming a member of CSST will significantly enhance dialogue and cooperation in the field of advanced manufacturing, not only between China and Spain but also more broadly. Following discussions within the entire YMAN preparatory team, we respectfully submit this application and solemnly undertake to conduct all future activities under the guidance of the CSST, willingly accepting its supervision.

We firmly believe that YMAN's membership will bring renewed vitality to CSST. We kindly request that you review our application and consider us for affiliation.

We look forward to your favorable reply.

Sincerely,

The Young Researchers' Manufacturing Network (YMAN)

March 30, 2026



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## What's Next ?

# What do you THINK?

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- **More members from more countries**

Because we want to make the network open to all interested researchers in the world.

- **More supporting organizations**

Now is free, but in the future could be some cost to cover the possible activity.

- **More activities: publications, books, projects, etc.**

We need to take advantage of this precious network to build relationship with international colleagues.

**If we have people with good relations, it is easy that universities sign collaboration agreements.**

**“First meet and joint the people, later sign the agreements”**