



CLUB OF BOLOGNA

*strategies for the development of agricultural
mechanisation*



33rd Members' Meeting of the Club of Bologna

“The future horizons for Ag-Mechanization”

9 - 10 November 2024

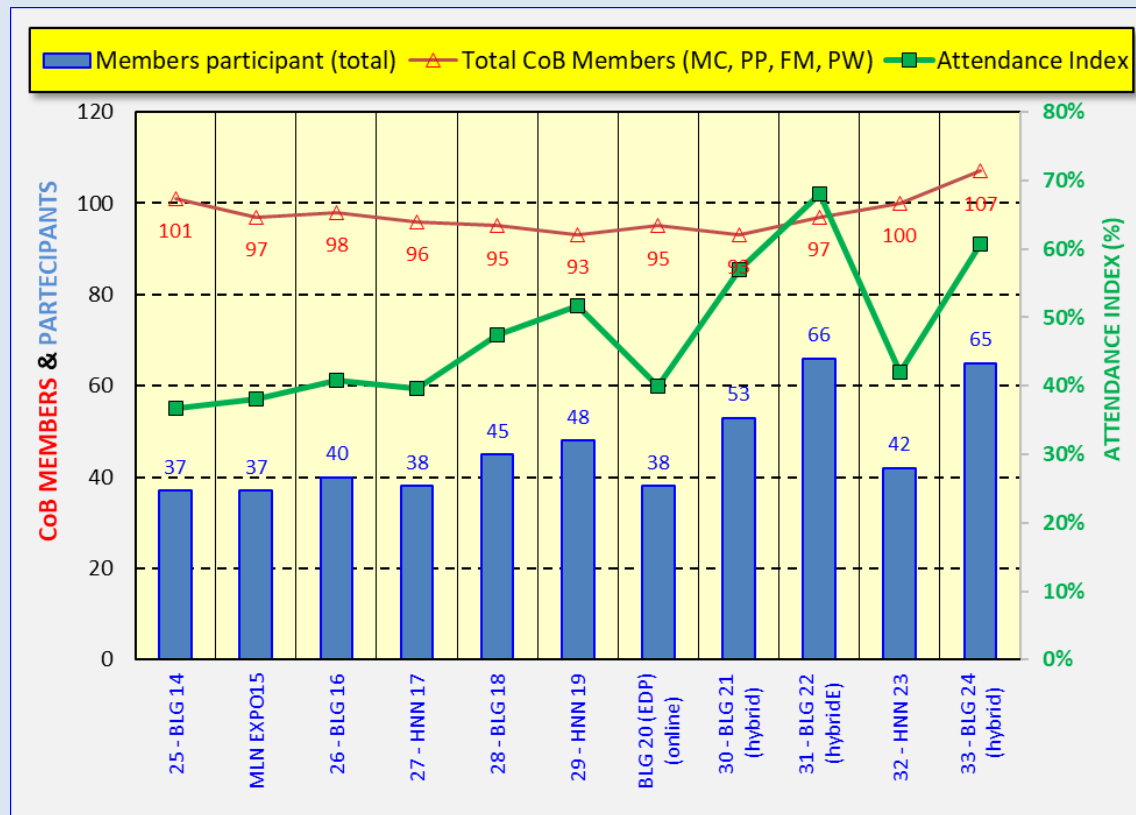
EIMA – Bologna

OPENING

Welcome

This 33rd CoB FM meeting will be followed by 65 CoB Members :
Most are in presence despite the possibility to follow the meeting online by streaming

This corresponde to an **Attendance Index** (AI = Participant CoB Members/CoB Members) close to that achived at the 31^o CoB meeting in EIMA - Bologna in 2022



CoB NEW FM MEMBERS Nominated by MC in 2024: WELCOME!!

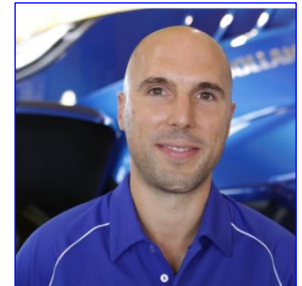
Patrick Pagani – Vice-Secretary General **COPA-COGECA**

(Delegate Member)



Stefano Fiorati - Head Zero Emission&Advanced Drivetrain

CNH Industrial *(Delegate Member)*



Patricia Chueca – Responsible of Area of Agriculture

Mechanization

I.V.I.A Instituto Valenciano de Investigaciones Agraria *(Full Member)*



CoB - V Edition Pellizzi Prize - Awards

GIUSEPPE PELLIZZI PRIZE

n. 5 editions (EIMA 2012, EIMA 2016, EIMA 2018, EIMA 2020, EIMA 2024)

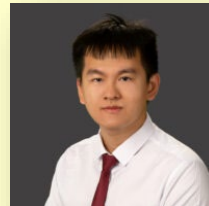
12 Candidates submitted their applications for the V Edition

*Each Member of the CoB Management Committee (MC) evaluated their PhD thesis and CV giving their score and during the MC virtual meeting of 22nd June **the following 3 winners** (alphabetic order) **have been selected***

Dr. Lu Xun



Dr. Zixuan He



Dr. Xin Tian



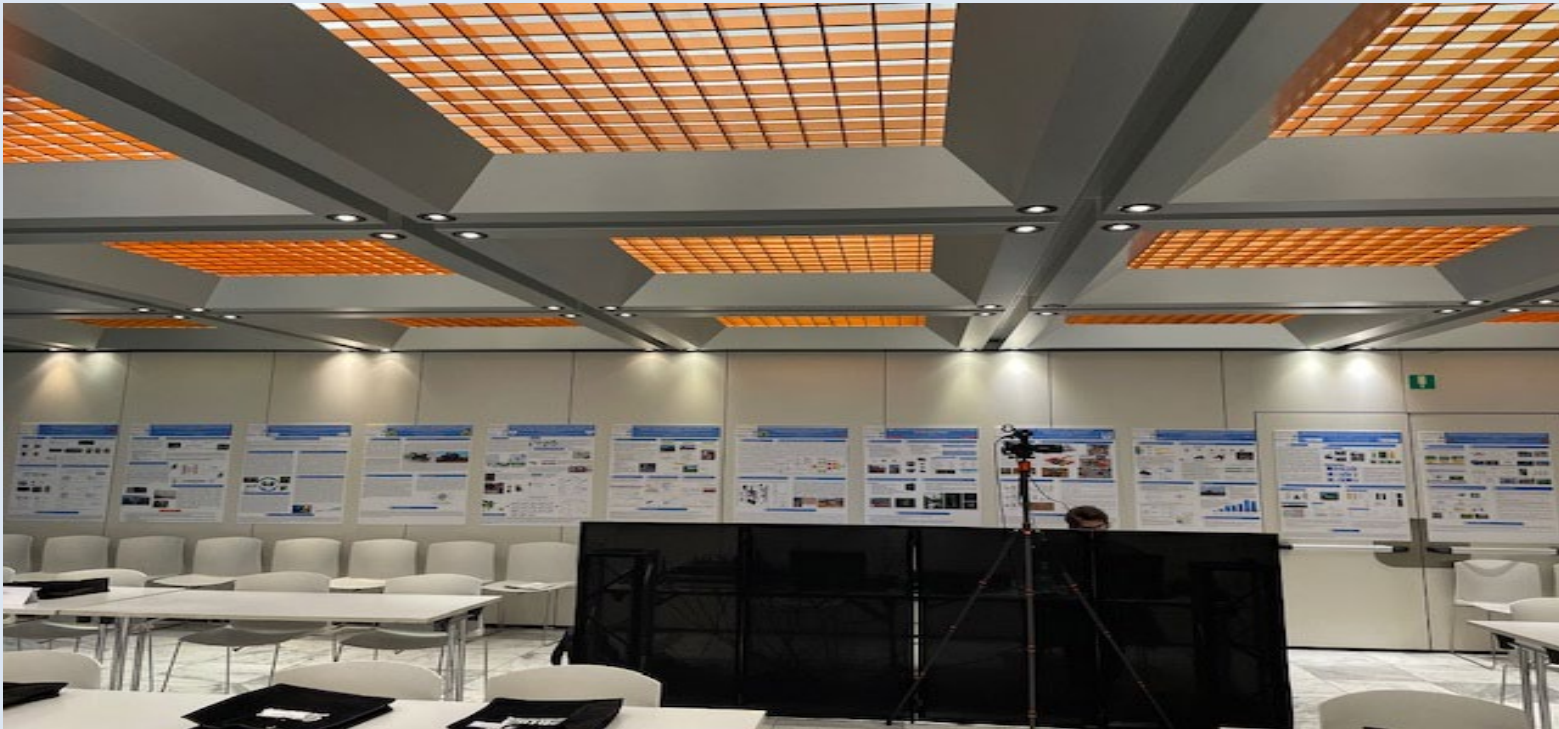
On Sunday 10 morning - around 12 after a brief presentation of the research done by the 3 winners - the **award Ceremony will be scheduled with the indication of the order of the 3 winners** and the delivery of the parchment and the cash prize award

PLEASE, DO NOT MISS THIS CEREMONY !!

CoB - V Edition Pellizzi Prize - Awards

GIUSEPPE PELLIZZI PRIZE

n. 5 editions (EIMA 2012, EIMA 2016, EIMA 2018, EIMA 2020, [EIMA 2024](#))



PLEASE, DURING COFFEE BREACK MAKE A LOOK TO THE POSTERS

Agenda of the 33rd Members' Meeting

Saturday, November 9 - Sinfonia Hall (morning)

SESSION 1	<i>Value creation by public funding of research, development and innovation</i> <i>Chairman: Peter Pickel (CoB Manageent Committee) - <u>Rapporteur: Hao Gan (USA; Pellizzi Prize 2020)</u></i>
10.30÷11.00	1.1 – International trends for the European RD&I landscape <i>Andrew Lynch (Irish Manufacturing Research, IMR - IRE)</i>
11.00÷11.15	Coffee break (Madrigale Hall)
11.15÷11.45	1.2 – EIT Food – Catalyst for the transformation of our food system <i>Elvira Domingo (European Institute Innovation&Technology Food, EIT - GER)</i>
11.45÷12.15	1.3 – R&D opportunities for industrial companies with US grants <i>Brij N. Singh (IEEE Advancing Technology for Humanity and JOHN DEERE - USA)</i>
12.15÷12.45	Session 1 - Discussion and Key-Sentences drawing up
12.45-14.00	Lunch (Madrigale Hall)

Agenda of the 33° Members' Meeting

Saturday, November 9 - Sinfonia Hall (afternoon)	
SESSION 2	<i>Biodiversity and regenerative agriculture: impact and relevance for farming. Challenges and opportunity for ag-mechanization and technology</i> <u>Chairman:</u> Benno Pichlmaier (CoB Full Member) - <u>Rapporteur:</u> Xin Zhang (USA; Pellizzi Prize 2020)
14.00÷14.30	2.1 – Moving towards the preservation and improvement of biodiversity in agricultural ecosystems <i>Gottlieb Basch (MED - Agriculture, Environment and Development - University of Évora - POR)</i>
14.30÷15.00	2.2 – Initial steps to consider biodiversity and ecosystem services in a sustainability strategy <i>Gianluca Feligini (CNH)</i>
15.00÷15.15	Coffee break (Madrigale Hall)
15.15÷15.45	2.3 – Navigating the transition to regenerative agriculture with digital solutions <i>Peter Fröhlich (Agricircle - CHE)</i>
15.45÷16.15	Session 2 - Discussion and Key-Sentences drawing up
16.15÷18.30	FREE visit to EIMA 2024 INTERNATIONAL
18.45	Transfer by bus: from EIMA International to Royal Carlton Hotel

Agenda of the 33rd Members' Meeting

Sunday November 10 - Sinfonia Hall (morning - Part 1)

8.30

Transfer by bus: from Royal Carlton Hotel to EIMA International

SESSION

3

SPECIALIZED MECHANIZATION: Technologies for grassland management

Chairman: Paolo Balsari (CoB President) - Rapporteur: Lazar Savin (Full Member CoB)

9.15÷9.45

3.1 – Introduction into permanent grassland management

Stefan Thurner (Bavarian State Research Centre for Agriculture - GER)

9.45÷10.25

3.2 – The frontiers of forage mechanization at the service of efficient livestock systems in climate smart agriculture strategy's

3.2.1 Challenges in relation to smart farming tech - *Fabrizio Mazzetto, (Univ. Bolzano – ITA)*

3.2.2 Technology for the hot spots in future forage production - *Andreas Gronauer (Univ. Bolzano – AUT)*

10.25÷10.40

Coffee break (*Madrigale Hall*)

10.40÷11.00

3.3 – Forage implements solutions, trend and vision

Joseph Tard (KUHN)

11.00÷11.30

Session 3 - Discussion and Key-Sentences drawing up

Agenda of the 33rd Members' Meeting

Sunday November 10 - Sinfonia Hall (morning - Part 2)

Giuseppe Pellizzi Prize 2024 (V EDITION)

11.30-12.15	<p>Announcement of the Pellizzi Prize's finalists <i>Paolo Balsari (President Club of Bologna)</i></p> <p>PhD Theses of finalists presentations <i>Zixuan He (USA)</i> - Efforts towards effective robotic strawberry harvesting <i>Xin Tian (USA)</i> - Methods to reduce energy consumption in the hydraulic system toward the next generation of green, high-efficient agricultural tractors <i>Lu Xun (CHI)</i> - Towards a sustainable use of plant protection products in orchards: implementation of canopy-adapted spray technology and new developments for spray efficiency evaluation</p>
12.15-12.30	<p>Award Ceremony <i>Paolo Balsari (Club of Bologna), Pietro Piccarolo (Accademia Georgofili), Maria Teresa Maschio (FederUnacoma)</i></p>
12.30÷13.00	<p><i>STUDY GROUPs ACTIVITIES</i></p>
13.00-13.30	<p><i>CLOSING SESSION - Programme of Activities for the 2025</i> <i>Paolo Balsari and Danilo Monarca</i></p>
13.30-14.30	<p>Lunch (Madrigale Hall)</p>
14.30	<p><i>GUIDED TOUR to EIMA 2024 (Hay making and silage machines by Italian Manufacturers</i> <i>Danilo Monarca (Management Committee CoB)</i></p>

33rd Members' Meeting Rapporteurs

As for the 32nd Meeting, each Session will be managed by the Chairman and a **Rapporteur**

Rapporteurs are mainly previous Pellizzi Prize winners and are asked to:

- Help the Chairman in improving the **Session discussion**
- Collect and examine the filled Session Keynote sentences (*now the template can be download form the CoB website and then send it to Prof. Marco Fiala*)
- Write a brief report (2-3 pages), considering also the **Key Sentences** written by the participants, **to be than disseminated through the CoB Website**

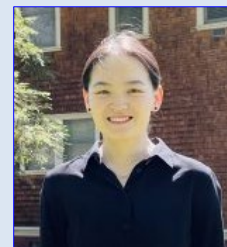
Session 1: Hao Gan



Session 3: Lazar Savin



Session 2: Xin Zhang



Recomendations

Please, fill both the forms for Sessions' Key-Sentences and to suggest subjects to discuss in near future CoB Members' meetings (downloadable on CoB website at the 2024 meeting proceedings: <https://www.clubofbologna.org/en/meetings-proceedings.php?ANNO=2024>)

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strategies-for-the-development-of-agricultural-mechanisation--<http://www.clubofbologna.org/x>

Future-Subject-Proposals (please, hand-to Secretary-General)

Please, type-in-the-yellow-boxes-your-proposals-and-mail-the-file-to CoB-Secretary-General CoB: marco.fiala@unimi.it by 31-December-2024-at-the-latest

Club-Member/Speaker/Guest-Name:	
Email:	@

PLEASE, SUGGEST-US-PROPOSALS-FOR-SUBJECT-TO-DISCUSS-IN-NEAR-FUTURE-MEMBERS'-MEETINGS

Proposal-Subject-A (please, write-using capital-letters)

Proposal-Subject-B (please, write-using capital-letters)

Recomendations

**For the CoB Members that will follow the meeting by streaming,
please :**

***Send your SHORT questions/observations /comments by email to
Prof. Danilo Monarca at:***

monarca@unitus.it



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I WISH ALL OF YOU A FRUITFUL 33rd CoB MEETING !!!