

Instructions for submitting abstracts to MECOM 2025 for the first round of revision

MECOM 2025 submissions website: <https://amcaonline.org.ar/ocs>

If you have any problems to log in, send your query to the OCS Help Desk, amca.ocs.support@gmail.com, in charge of Ma. Laura Guerrini and Martín Pucheta.

If you have participated in an AMCA event before, please do not create a new user to avoid confusion with multiple users corresponding to a single author. If you previously participated in a MECOM or ENIEF, go directly to section 3. Registration as an author.

1. Switching the interface to English

To switch the interface to English, go to the drop-down menu under the heading “IDIOMA” on the right-hand side and select English.



MECOM 2025

SISTEMA DE ENVÍOS OCS

INICIO ACERCA DE... INGRESAR CUENTA BUSCAR EVENTOS EN CURSO WEB
OFICIAL DEL MECOM 2025 PUBLICACIONES

Inicio > MECOM 2025 > **XLI Congreso Argentino de Mecánica Computacional**

XLI Congreso Argentino de Mecánica Computacional

Universidad de Buenos Aires, Facultad de Ingeniería

11 de noviembre de 2025 – 14 de noviembre de 2025

Bienvenidos al sistema de envío de manuscritos para el MECOM 2025

Previo a realizar su envío, consulte las [Sesiones Organizadas](#) y sus directores de sesión.

El registro en el sistema OCS es gratuito. Por favor, evite crear un usuario duplicado. Si ya fue autor en un congreso anterior de AMCA, ingrese con su [usuario](#) y en el panel lateral, debajo del nombre de usuario, ingrese a "Mi perfil". Al final del formulario tildé "Autor" y "Guardar". Luego verá en el [ÁREA PERSONAL](#) que se habilita la opción **[nuevo envío]** para empezar a enviar su resumen en modo texto para una primer ronda de revisión. Encuentre más detalles en [Información para Autores](#).

OPEN CONFERENCE SYSTEMS

Avuda

USUARIO/A

Nombre usuario/a

Contraseña

Recordarme

Login

NOTIFICACIONES

- [Ver](#)
- [Suscribirse / Des-suscribirse](#)

IDIOMA

Español (España)

English

Español (francés)

2. Creating of a new account

If you are not yet a user, create an account.

Enter the link <https://amcaonline.org.ar/ocs> and press “**LOG IN**”.



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HOME ABOUT **LOG IN** ACCOUNT SEARCH CURRENT CONFERENCES
WEB OFICIAL DEL MECOM 2025 PUBLICACIONES

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XLI Congreso Argentino de Mecánica Computacional

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11 de November de 2025 – 14 de November de 2025

Welcome to the manuscript submission system for the MECOM 2025

Before making your submission, consult the [Organized Sessions](#) and their session directors.

Registration in the OCS system is free. Please avoid creating a duplicate user. If you were an author at a previous AMCA conference, log in with your **Username** in the right-side panel, then, under your username, go to "My Profile". At the bottom of the form check "Author" and "Save". Then in the [USER HOME](#) you will see that the **[new submission]** option is enabled to start submitting your abstract in text mode for a first round of review. Find more details in [Information for Authors](#).

OPEN CONFERENCE SYSTEMS

[Conference Help](#)

USER

Username
Password

Remember me

[Log In](#)

NOTIFICATIONS

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LANGUAGE

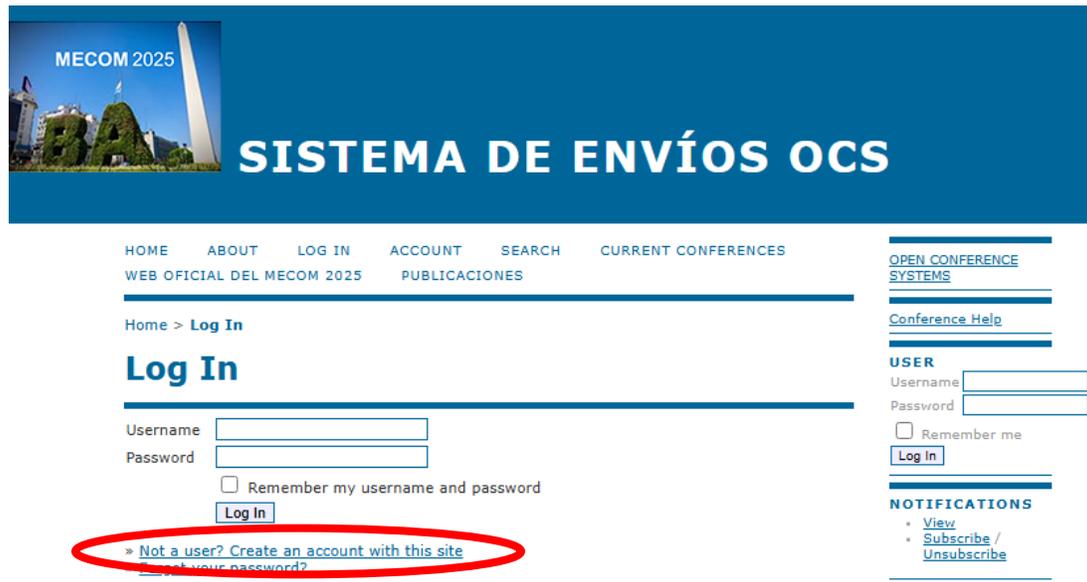
English

CONFERENCE CONTENT

Search

All

Then select “**Not a user yet? Create an account on this site**”



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HOME ABOUT LOG IN ACCOUNT SEARCH CURRENT CONFERENCES
WEB OFICIAL DEL MECOM 2025 PUBLICACIONES

Home > **Log In**

Log In

Username
Password

Remember my username and password

[Log In](#)

[» Not a user? Create an account with this site](#)

[» Not a user? Create an account with this site](#)

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OPEN CONFERENCE SYSTEMS

[Conference Help](#)

USER

Username
Password

Remember me

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The system takes you to a form where you must define a **username** and **password** and enter the required fields marked with *: your **name** and **surname**, your place of work in the “**Affiliation**” field, the **e-mail address** that will be associated with the user and that will be used for all communications, and the **country**.

Account

Fill in this form to create an account with this conference.

[Click here](#) if you already have an account with this or another conference on this site.

Profile

Form Language	<input type="text" value="English"/>
	To enter the information below in additional languages, first select the language.
Username*	<input type="text"/>
	The username must contain only lowercase letters, numbers, and hyphens/underscores.
Password*	<input type="text"/>
	The password must be at least 6 characters.
Repeat password*	<input type="text"/>
Salutation	<input type="text"/>
First name*	<input type="text"/>
Middle name	<input type="text"/>
Last name*	<input type="text"/>
Initials	<input type="text" value=""/> Joan Alice Smith = JAS
Gender	<input type="text"/>
Affiliation*	<input type="text"/>
Signature	<input type="text"/>
Email*	<input type="text"/>
URL	<input type="text"/>
Phone	<input type="text"/>

Optionally, in “Bio statement” only upload the 16 digits of your ORCID; for example: 0000-0002-6935-219X.

Towards the bottom of the screen, check that the “**Author**” option is selected.

Finally press the button “**Create**”.

The screenshot shows a registration form with the following fields and options:

- Mailing Address**: A large empty text area with a rich text editor toolbar below it.
- Country**: A dropdown menu showing "United States".
- Bio statement (E.g., department and rank)**: A text area containing "0000-0002-6935-219X", which is circled in red.
- Confirmation**: A checked checkbox for "Send me a confirmation email including my username and password".
- Working languages**: Two unchecked checkboxes for "English" and "Español (España)".
- Create account as**: Two checkboxes: "Reader: Notified by email on publication of presentations." (unchecked) and "Author: Able to submit items to the conference." (checked and circled in red).
- Buttons**: "Create" and "Cancel" buttons, with "Create" circled in red.
- Footnote**: "* Denotes required field".

Privacy Statement

Los nombres y direcciones de correo introducidos se usarán exclusivamente con los fines de esta Conferencia y no se facilitarán a terceros.

3. Registration as an author

If you previously participated in another AMCA congress, go to the link <https://amcaonline.org.ar/ocs>. Select “LOG IN”, and enter your username and password.



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Welcome to the manuscript submission system for the MECOM 2025

OPEN CONFERENCE SYSTEMS
 Conference Help

USER
 Username
 Password
 Remember me
 Log in

NOTIFICATIONS
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LANGUAGE

Upon logging in, the system displays the following home page.



MECOM 2025

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HOME ABOUT USER HOME SEARCH CURRENT CONFERENCES WEB OFICIAL
 DEL MECOM 2025 PUBLICACIONES

Home > XLI Congreso Argentino de Mecánica Computacional > **User Home**

User Home

MECOM 2025
 XLI Congreso Argentino de Mecánica Computacional

My Account
 < [Edit My Profile](#)
 > [Change My Password](#)
 > [Log Out](#)

Select the option **“Edit my profile”**. Update any information in your profile. We strongly recommend you to include the ORCID code in your Bio statement. Check the **“Author”** option in order to be able to submit your work.

The screenshot shows a profile editing form with the following elements:

- Country:** A dropdown menu with "Argentina" selected.
- Time Zone:** A dropdown menu.
- Reviewing interests:** A large empty text area.
- Bio statement (E.g., department and rank):** A text area containing "0000-0002-6935-219X", which is circled in red.
- Profile Image:** A section with a "Seleccionar archivo" button, the text "Ningún archivo seleccionado", and an "Upload" button.
- Roles:** Two radio buttons: "Reader" (unchecked) and "Author" (checked, circled in red).
- Buttons:** "Save" and "Cancel" buttons at the bottom, both circled in red.
- Footnote:** "* Denotes required field" below the buttons.

After finishing, click the **“Save”** button at the bottom of the page.

4. Submitting an abstract

On the **USER HOME** page you should be able to see the role of **“Author”** (If you do not see it, you must edit your profile and check the **“Author”** option. After finishing, click the **“Save”** button at the bottom of the page.)

To the right of **“Author”** you will see **“[New Submission]”**. Begin a submission process by selecting **“[New Submission]”**.



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HOME ABOUT USER HOME SEARCH CURRENT CONFERENCES WEB OFICIAL
DEL MECOM 2025 PUBLICACIONES

Home > XLI Congreso Argentino de Mecánica Computacional > **User Home**

User Home

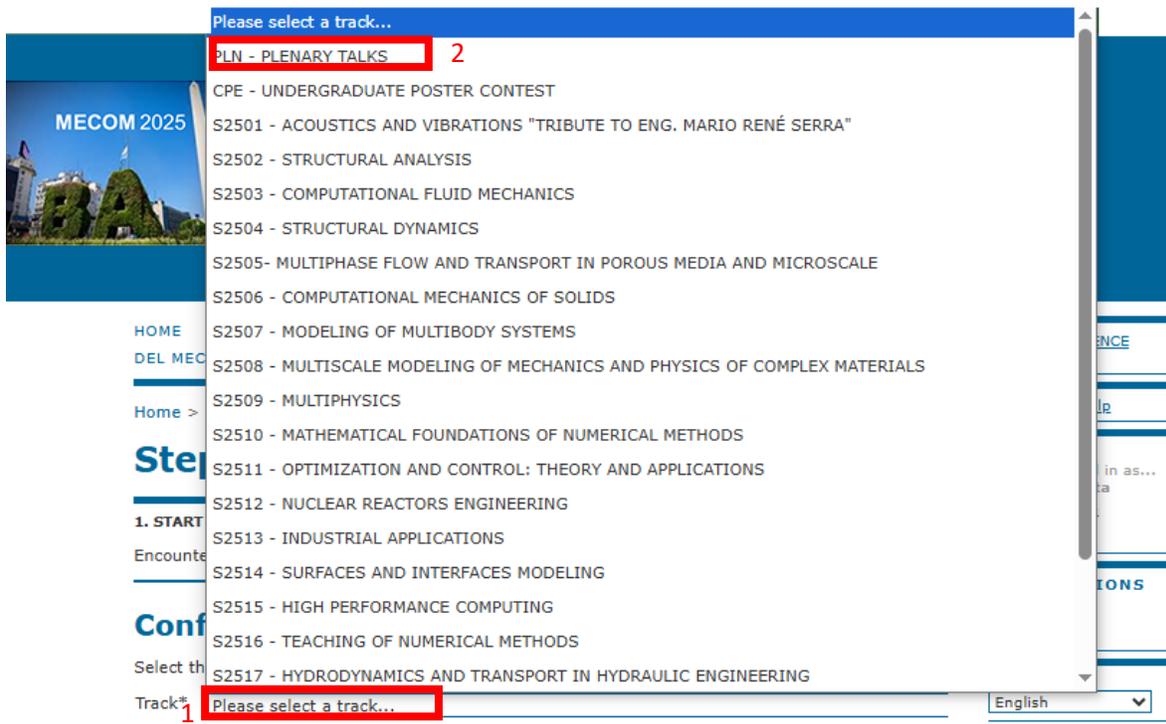
MECOM 2025

XLI Congreso Argentino de Mecánica Computacional
» [Author](#) 0 Active **[New Submission]**

My Account

- » [Edit My Profile](#)
- » [Change My Password](#)
- » [Log Out](#)

When selecting “[**New submission**]”, the system takes you to “**Step 1**” where you are first asked to choose, from a drop-down list, the most appropriate conference track for your work.



Please select a track...

PLN - PLENARY TALKS 2

CPE - UNDERGRADUATE POSTER CONTEST

S2501 - ACOUSTICS AND VIBRATIONS "TRIBUTE TO ENG. MARIO RENÉ SERRA"

S2502 - STRUCTURAL ANALYSIS

S2503 - COMPUTATIONAL FLUID MECHANICS

S2504 - STRUCTURAL DYNAMICS

S2505- MULTIPHASE FLOW AND TRANSPORT IN POROUS MEDIA AND MICROSCALE

S2506 - COMPUTATIONAL MECHANICS OF SOLIDS

S2507 - MODELING OF MULTIBODY SYSTEMS

S2508 - MULTISCALE MODELING OF MECHANICS AND PHYSICS OF COMPLEX MATERIALS

S2509 - MULTIPHYSICS

S2510 - MATHEMATICAL FOUNDATIONS OF NUMERICAL METHODS

S2511 - OPTIMIZATION AND CONTROL: THEORY AND APPLICATIONS

S2512 - NUCLEAR REACTORS ENGINEERING

S2513 - INDUSTRIAL APPLICATIONS

S2514 - SURFACES AND INTERFACES MODELING

S2515 - HIGH PERFORMANCE COMPUTING

S2516 - TEACHING OF NUMERICAL METHODS

S2517 - HYDRODYNAMICS AND TRANSPORT IN HYDRAULIC ENGINEERING

Track* 1 Please select a track... English

Then, select whether in the second round of revision you are planning to submit a **Full article** or an **Abstract** only.

Select the appropriate track for this submission (see [Track Listing](#)).

Track*

Session Type

Session Type

Full Article
 The abstract sent (in text mode) to the conference is peer reviewed in a first review round. Then, if it is accepted, a full paper in PDF format and AMCA style must be sent to be peer reviewed in a second round.
 Abstract Word Limit: 300

Abstract Only
 The abstract sent (in text mode) to the conference is peer reviewed in a first review round. Then, if it is accepted, a one page abstract in PDF format and AMCA style must be sent to enable its exposition in the conference.
 Abstract Word Limit: 300

You should then read the requirements for your abstract and check each one. If your submission does not meet all the criteria, please, modify your work to meet these requirements.

Abstract Word Limit: 300

Submission Checklist

Indicate that this submission is ready to be considered by this conference by checking off the following (comments to the director can be added below).

- The paper that I am submitting has not been previously published or submitted simultaneously to another conference (or provide an appropriate explanation in Comments to the Editor).
- The title does not contain mathematical symbols.
- The abstract only contains plain text. The abstract is not allowed to contain special characters or mathematical symbols (eg Greek letters).
- The abstract consists of a single paragraph.
- The text conforms to the style and bibliography referencing requirements described in the Instructions for Authors.
- I know that reviewers can see the identity of the authors.
- I will include the metadata of all the authors with the order in which they will appear in the complete article, with the affiliation and email of each one. For authors, enter first name, middle initial, and last name.

Copyright Notice

Authors submitting papers to the conference agree to the following terms:

a) AMCA holds the copyright to the published works.

b) Authors authorize the conference organizers to publish their papers on the AMCA open access website hosting the [Mecánica Computacional](#) series with a [Creative Commons Attribution 4.0 International CC BY 4.0](#) license, which allows third parties free access to the files, use and share the works, with recognition of authorship and as the first point of reference for its presentation, this conference.

c) Authors must update the metadata in the OCS prior to submitting the revised versions and their final PDF, by going to "Summary" -> "Edit Metadata", and editing: Title, authors (with their e-mails and full affiliations) and author order, in accordance with the revised/final PDF sent, to be published in [Mecánica Computacional](#).

The authors agree to the terms of this Copyright Notice, which will apply to this submission if and when it is published by this conference (comments to the director can be added below).

Comments for Conference Director

Enter text (optional)

* Do not use a required field

Finally, press the button **“Save and continue”**.

In “**Step 2**” you must enter the metadata of your work. Your data will appear first, taken from your profile. If the work has more authors, you must enter their data by pressing the “**Add author**” button. For each author, you must enter “**First Name**”, “**Surname**”, “**e-mail**”, place of work in “**Affiliation**”, the “**country**”, and just the **ORCID** as Bio statement. With the “**Add author**” button you can continue adding more authors.

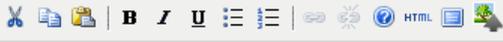
[Home](#) > [User](#) > [Author](#) > [Submissions](#) > [New Submission](#)

Step 2. Entering the Submission's Metadata

1. START 2. ENTER METADATA

Form Language 
To enter the information below in additional languages, first select the language.

Authors

First name*	<input type="text" value="Ma."/>
Middle name	<input type="text" value="Laura"/>
Last name*	<input type="text" value="Guerrini"/>
Email*	<input type="text" value="guerrini.maria.laura@gmail.com"/>
URL	<input type="text"/>
Affiliation	<div style="border: 1px solid #ccc; padding: 5px;"><p>National University of Córdoba</p><hr/></div>
Country	(Your institution, e.g. "Simon Fraser University") <input type="text" value="Argentina"/> 
Bio statement (E.g., department and rank)	<input type="text" value="0000-0002-6935-219X"/>

Use the arrows to arrange the authors' names in the same order as they appear in the work. The “**Delete Author**” button can be used to delete a mistakenly entered author.

↑ ↓
Reorder authors to appear in the order they will be listed on publication.

Principal contact for editorial correspondence. **Delete Author**

First name*

Middle name

Last name*

Email*

URL

Affiliation

Country

Bio statement
(E.g., department and rank)

↑ ↓
Reorder authors to appear in the order they will be listed on publication.

Principal contact for editorial correspondence. **Delete Author**

Add Author

You must then enter the title of your work in the style that will be used for online publication of full articles in [Mecánica Computacional](#) and abstracts in [Resúmenes de Mecánica Computacional](#). The title should have the first letter of each word capitalized; acronyms may have some or all letters capitalized; and articles, conjunctions, and prepositions should be in lowercase.

For example, see titles in:

Home / Archives / Vol. 41 No. 11 (2024): Modeling of Multibody Systems

Vol. 41 No. 11 (2024): Modeling of Multibody Systems

Issue editors: M. Pucheta, A. Cardona, F. Cavallieri

DOI: <https://doi.org/10.70567/mc.v41i11>

Published: 2024-11-08

Language
English
Español (España)
Português (Brasil)

Current Issue
ATOM 3.0
PZT 2.0
PZT 1.0

Conference Papers in MECOM 2024

Comparison of Efficiency of KNL-NTS and PZT Piezoelectric Motors by the Finite Element Method Juan Daniel Madrigal García, Leandro Ramajo, Federico J. Cavallieri, Nicolás Pérez	569-575
PDF (Español (España))	
The Bicycle Model and the Use of Real Telemetry in Teaching Race Car Vehicle Dynamics Martín A. Pucheta, Alberto Cardona, José M. Riso, Javier Ciabattari	577-587
PDF (Español (España))	
Calculation of Contact Force in Ball Bearings Subjected to High-Frequency Impacts in the Framework of Non-Smooth Structural Dynamics Eliana S. Sánchez, Alberto Cardona, Federico J. Cavallieri	589-598
PDF (Español (España))	

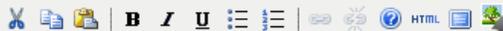
Title and Abstract

Title*

Data-Driven Discretization Learning for PDEs

Abstract*

Over the last decade, machine learning has transformed the solution of partial differential equations (PDEs), which are fundamental to the modeling of physical phenomena. This work presents an innovative approach to discretizing PDEs using data-driven techniques, optimizing the representation and solution of these complex problems. Our approach integrates deep learning and discretization methods, using datasets generated from simulations or experiments. Through training, the models learn patterns inherent in PDEs solutions, improving the quality of the discretizations. This allows to identify more efficient schemes and adapt to variations in problem conditions. The experimental results demonstrate the effectiveness of our approach compared to conventional methods, showing a notable reduction in the approximation error and an increase in the convergence speed in applications such as fluid dynamics and heat transfer. With this work, we seek to contribute to the intersection between mathematics and machine learning, proposing a framework that



Indexing

Language

en

English=en; French=fr; Spanish=es. [Additional codes.](#)

Supporting Agencies

Identify agencies that provided funding or support for the work presented in this submission.

Agencies

Save and continue

* Denotes required field

After filling the abstract, click the **“Save and continue”** button.

This completes the submission, and you'll see a thank you message on screen and receive a more detailed email.

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HOME ABOUT USER HOME SEARCH CURRENT CONFERENCES WEB OFICIAL DEL MECOM 2025 PUBLICACIONES

Home > User > Author > Submissions > Active Submissions

Active Submissions

Submission complete. Thank you for submitting your work to MECOM 2025.

> [Active Submissions](#)

If you select “**Active Submissions**”, you'll see the title of your submission along with the assigned ID number. Verify that your submission is located in the correct conference track. In the STATUS column, you'll see **ABSTRACT IN REVIEW**. When accepted, the status will change to **UPLOADING**, and you can select it to upload your PDF for the second round of review. For quick reference and effective communication, both the ID and the track number should be mentioned when submitting inquiries to the Help Desk.

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Home > User > Author > Active Submissions

Active Submissions

ACTIVE ARCHIVE

ID	MM-DD SUBMIT	TRACK	AUTHORS	TITLE	STATUS
8202	04-09	PLN	Guerrini	DATA-DRIVEN DISCRETIZATION LEARNING FOR PDES	ABSTRACT IN REVIEW

1 - 1 of 1 Items

Click here to submit a paper to this conference.

[STEP ONE OF THE SUBMISSION PROCESS](#)

OPEN CONFERENCE SYSTEMS

Conference Help

USER

You are logged in as... mecom2010

- My Profile
- Log Out
- Change My User

NOTIFICATIONS

- View (1 new)
- Manage

AUTHOR

Submissions

- Active (1)
- Archive (1)
- New Submission

Then, you can submit another work by choosing “**STEP ONE OF THE SUBMISSION PROCESS**”. Otherwise, press the “**Log Out**” option on the right-hand side panel to exit the system.

The next time you log in, you'll be taken to your **USER HOME**. You can start a new submission as an Author by selecting “[**New Submission**]” (which will be available until the abstract closing date).

Important

- Upon completion of a submission, each track director and the organization also receives an automatic notification, so there is no need to notify your submission to them.
- If you need to change metadata such as the title, abstract, and/or authors (add, modify, or delete an author, or change their order), log in to your **USER HOME**, select “**n Active**”, choose the submission title, select on the text **SUMMARY**, and then select **EDIT METADATA**. Modify the metadata there in and click the button “**Save Metadata**”. You must do this when updating a revised version and you have changed any of the metadata.
- For submitting full papers for a second round of review, as well as for updating revised versions, there will be separate instructions with a similar explanation.
- Contact the Help Desk (amca.ocs.support@gmail.com) for any OCS issues related to user registrations, submissions (withdrawals, modifications, session changes), notifications of missing directors, inquiries about the status of the review process, delays in responses, and publications.
- For information on deadlines and notifications, registration fees and the conference registration form, student posters, speakers, presentation format and times, program, accommodations, event venues, etc., first visit the official [MECOM 2025](http://MECOM2025) website. If you don't find the information there, contact the local organizing committee (mecom2025congress@gmail.com).
- For registration and billing issues, please contact Sandra Sarano, AMCA Administration (amca@santafe-conicet.gov.ar).

See you in Buenos Aires city!