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WG5 - Communication

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#### Reminders

##### Upcoming MecaNano and related events

- The **second WG4 workshop** and tutorials will take place in Budapest, September 4-5. Please apply [here!](#)
- **WG3 Online school** is still [in progress!](#)
- The next **MecaNano's summer school** will be from July, 28 to August, 01 2025 in Kassel.
- **Materials Structure and Micromechanics of Fracture** (MSMF-11) is taking place in Brno, Czechia (June 23-25, 2025). Registration information [here!](#)
- **Euromat 2025** is taking place from September 14–18 in Granada, Spain. Session D3 is MecaNano sponsored, session A2 is of interest to the network. Registration information [here!](#)
- **COMPLAS 2025** will take place in Barcelona (Spain) 2-5 September 2025. "Nanoscale Origins of Plasticity in Modern Nanostructured Materials" is a dedicated COST MecaNano session; and "Mechanical Properties and Plasticity of Small-scale Materials" is of great interest to the network. Registration information [here!](#)
- **Dislocation 2025** will take place in Miami, November 10-14t. Don't miss out!
- The 2nd **Mechanical Surface Characterization Seminar** from Anton Paar will take place in Graz, Austria, 5 – 7 November 2025. More info [here](#)

**Job offers:** Check out jobs on the [MecaNano website](#), many are still open ! (You first need to [register](#)).

## MecaNano was in Krakow for the 3rd General Meeting!!

From May 19 to 21, Krakow became a lively center for advanced research and collaboration during the 3rd General Meeting of the MecaNano COST Action – the European Network for the Mechanics of Matter at the Nano-Scale. The event took place at AGH University of Krakow, at the Academic Centre for Materials and Nanotechnology, and brought together researchers from across Europe and beyond to focus on the mechanics of nanostructured materials.

Over three days, participants took part in a packed scientific program with insightful talks and engaging poster sessions. The wide range of topics showed how interdisciplinary the MecaNano network is covering areas like small-scale mechanical testing, modeling, data science, and machine learning. It was especially exciting to see how new computational tools are being combined with experiments to push the limits of research at the nano scale.

The meeting was full of energy and collaboration, with many lively discussions that sparked fresh ideas and future projects. We sincerely thank the local organizing team: Wiktor Bednarczyk, Piotr Bała, Grzegorz Cios, and Anna Smyk for their warm hospitality and excellent organization. They created a welcoming and inspiring atmosphere that made the meeting a great experience for everyone.

We also appreciate the support from our industry partners: Bruker, Anton Paar, SurfaceTec, and Synton MDP whose involvement highlights the important connection between research and real-world applications.

MecaNano is more than just a network—it's a strong, growing community of researchers driving innovation in materials science.



Third MecaNano meeting at Krakow, Poland

## MecaNano is on LinkedIn!

We're excited to announce the launch of our new LinkedIn page for the MecaNano COST Action, thanks to our new social media expert Javier Dominguez!

This page will be your go-to source for:

- News and updates about the MecaNano network
- Upcoming events, workshops, and training schools
- Highlights from our members' research and activities
- Opportunities for collaboration within our community

We warmly invite all our members, collaborators, and anyone interested in MecaNano to follow us and stay connected. Let's build a vibrant and active MecaNano community right here on [LinkedIn!](#)



*Javier Dominguez, Institute Professor (with Habilitation) at National Centre for Nuclear Research and new MecaNano's social media expert*

## Next MecaNano summer school is in Kassel, July 2025!

The second summer school of MecaNano will be held July 28 - August 1, 2025 at Kassel University, in the heart of Germany. The summer school aims to provide PhD students and postdocs with a comprehensive overview of the nanomechanical field, covering both fundamental principles and recent advancements, with a strong focus on practical applications to their research projects. In detail, it will cover:

- Small-scale plasticity and fracture
- Experimental micro- and nanomechanical testing
- Simulation and machine learning methods
- Analytical characterization techniques
- Soft skills for scientists

Each topic will be introduced by a trainer in a 1.5-hour session, followed by a discussion. For this edition, we gratefully acknowledge the participation of a panel of world-class experts in their respective fields.

The organizers (B. Merle, C. Kirchlechner, M. Cordill, Y. Eggeler) are looking forward to welcoming young researchers and innovators (PhDs-Postdocs) to Kassel.

Information can be found at the Summer School webpage: <https://mecanano-yris25.sciencesconf.org/?lang=en>

Questions specific to the Summer School 2025 should be directly sent to the organizers via the HELP @contact link in the left menu page. Remember: only registered MecaNano members should apply.

## Don't miss the 2nd MecaNano workshop on Machine Learning!

The 2nd MecaNano Workshop on Machine Learning for Micro- and Nano-Mechanics will take place on **4–5 September 2025 at ELTE Eötvös Loránd University, Faculty of Science, Budapest, Hungary**. This international event brings together researchers working at the interface of machine learning, mechanical characterization, and materials science. The submission portal is now open on <https://mecanano-wg4-25.sciencesconf.org/> (deadline : June 16th).

We welcome contributions in the following broad areas:

- Machine learning for nanoindentation and mechanical testing

- Multimodal data fusion and microstructural analysis
- ML-enhanced modeling and simulations
- Image-based analysis and computer vision
- Materials discovery through machine learning
- Experimental automation and open datasets

Visit the [website](#) for full details on abstract submission, venue, and scientific program!

We look forward to your participation!

Note that you can still access the tutorials from the first MecaNano workshop on machine learning on [the WG4 page of the MecaNano website!](#)

## WG3 Online school is still in progress!

The MecaNano School for Research Data Management (WG3) is still in progress Online! Next planned session are the following:

- 25.June 2025: 9:30 – 11:00 CET: Build your own ELN: Overview, Working with S3, StreamLit (sign-up here: <https://forms.gle/qFQYurLkeASqmJxn6> )
- 2. July 2025: 9:30 – 11:00 CET: Build your own ELN: How do the things fit together to a working system (sign-up here:

<https://forms.gle/w3ke5TUUM2p7w27r9> )

Please, don't forget to sign-up (click on the links) before the event, and we will provide you a valid link for the meeting!

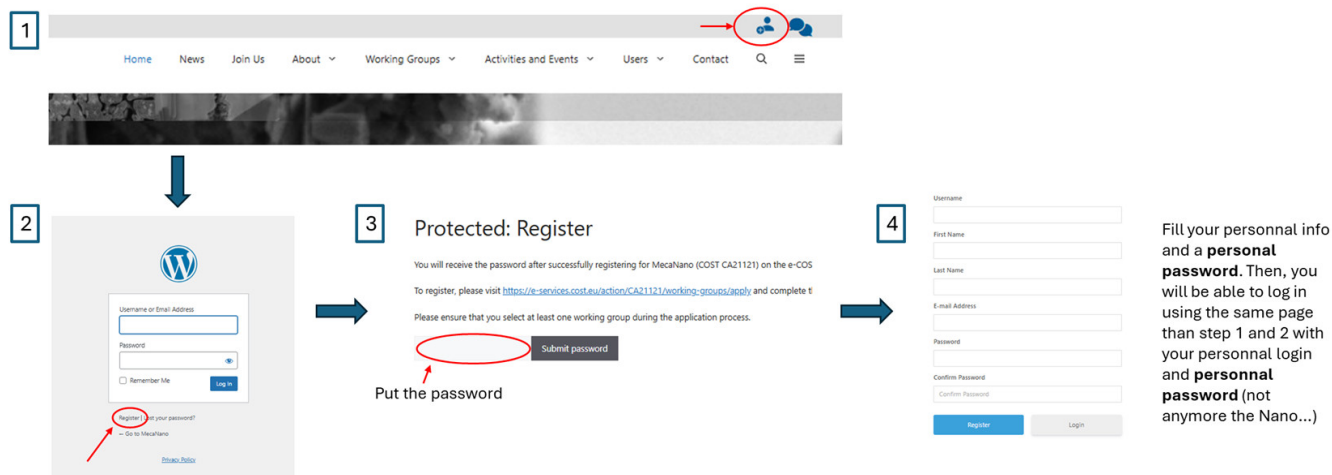
In addition, note that the ELN seminar series is available [here](#)) or can also be found in the MecaNano Repository with other useful information and videos - See the procedure to access the MecaNano repository in the next article of this issue.

## Access to the MecaNano Repository

The procedure to register and login on the mecanano.com website was recently updated. Last year, we faced issues of fake profiles and we realized at the same time than only a small part of the network had access to the private repository area containing several documents generated during last events. If you do not have access yet to the repository,

please register and login by following this procedure. The password is **Nano1205!!!**

If you face problems, please contact [info@mecanano.com](mailto:info@mecanano.com) with the exact procedure you followed. Those members who already contacted [info@mecanano.com](mailto:info@mecanano.com) do not need to contact again.



New procedure to register to the Mekanano website

# The MecaNano logins : Instructions for use...

If you are new to MecaNano and struggling with when to use which login to which online platform, you are not the only one. Here is your login rundown:

**e-COST:** Every approved member joined MecaNano through the e-COST. This platform also organizes our refunding and grant reimbursements as well as the inviting to events (the sign-in sheets!). In order to get on the mailing list to receive information from the dedicated email address ([info@mecanano.com](mailto:info@mecanano.com)), you must be first approved on this platform. **It is therefore essential that you register for e-COST, by following the procedure below:**

1. Go to <https://e-services.cost.eu/action/CA21121/working-groups/apply>
2. If you have not already taken part in any COST Action, then you need to create a login and password for the e-COST platform (see figure). Please provide your details on the next pages - no need to upload a CV.

3. Use your newly created login and password to log in to <https://e-services.cost.eu/action/CA21121/working-groups/apply>

4. Fill in the form as given in the example below. Select as many Working Groups as you wish to make sure that you receive communication on all topics. Feel free to write only a few sentences about your background. This aims at confirming your adequation to the topic of the network.

5. Please kindly allow a few weeks for your application to be manually processed. You should eventually receive a confirmation e-mail.

Registering to the MecaNano network ensures that you receive our newsletters and mailing about future events.

In case you are selected for a scholarship, the e-cost platform will be used to process your claims.

**MecaNano website:** This is our main form of communicating events and information to the MecaNano network. A login is necessary here to access our repository that includes documents and links to our (private) youtube channel. At the channel we host recorded online events as well school presentations. If you would like the WG5 Communications team to post an event or job that is related to MecaNano, download the templates and fill out with the information to be posted (or sent via email). Only completed templates will be accepted and posted. Please note that sometimes it can take the team a few days to get something online or to answer your emails. Remember, we are volunteers and have regular jobs too.

**Sciencesconf.org:** Sciencesconf.org is a platform often used by conference organizers worldwide (not specific to MecaNano events). This implies another login, in order to access abstract submission, registration, ... Note that a large number of non-MecaNano conferences use this platform, so it may be useful anyway!