

NEMO SUMMER SCHOOL SERIES

10th Edition



Become a digital leader!

Vienna
15 - 26 July
2024

nemo.omilab.org

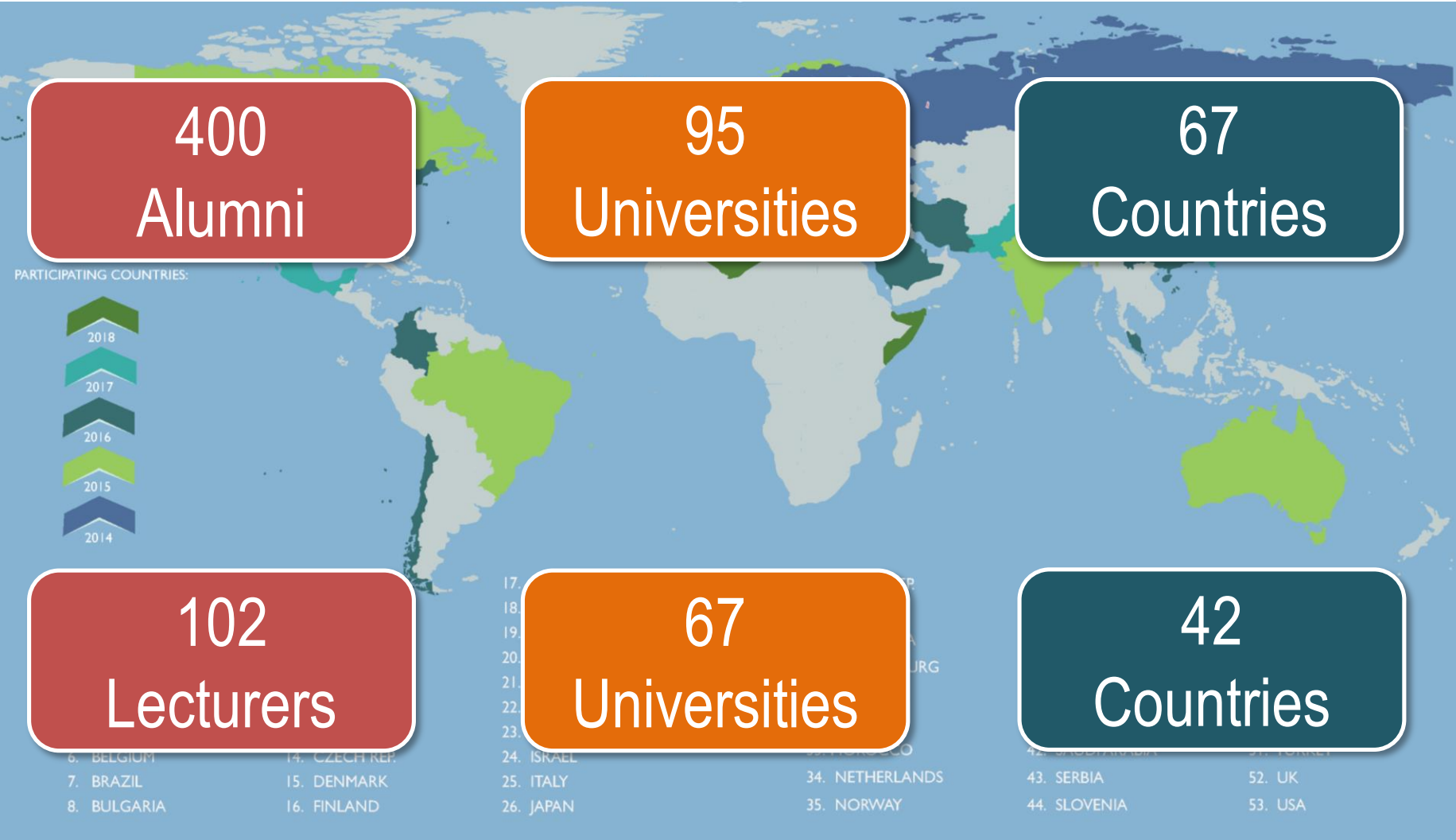
Learn
CONCEPTUAL MODELLING
to innovate, design and
engineer
digital ecosystems

FROM 2014 TO 2023: A JOURNEY



FROM 2014 TO 2023: PARTICIPANTS

Impressions: <https://nemo.omilab.org/previous-editions/>



NEMO CONTRIBUTORS

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33. MOROCCO
34. NETHERLANDS
35. NORWAY

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43. SERBIA
44. SLOVENIA

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51. TURKEY
52. UK
53. USA

NEMO BROCHURE

NEMO Summer School Series Brochure

<https://www.omilab.org/nemo/>



Explore for more information about:

- the focus of the summer school
- the 6 topical pillars:
 - Foundation of Conceptual Modelling
 - Smart Models for Humans and Machines
 - Semantics and technologies for Digital Ecosystems
 - Digital Design Thinking
 - Enterprise Digital Twins
 - Cross-Cutting Issues
- the internationality of the participants and contributors
- the sponsors and partners
- Vienna & University of Vienna

How to get Involved

NEMO2024

NEMO2024: THE 10th ANNIVERSARY EDITION



Contributing Institutions & Sponsors



10th Edition

Become a digital leader!



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Learn
CONCEPTUAL MODELLING
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engineer
digital ecosystems

- Focuses on the conceptualization, design, and implementation of Next Generation Enterprise Modelling Methods.
- Modelling tools and platforms which support domain specific methods need to provide user interaction functionalities and enable management capabilities for the execution environment in addition to the modelling method design and implementation.

The 10th Edition takes place between the 15th and 26th of July 2024

- Two weeks program in English combining lectures and practical work, for Master and PhD students.
- More information: <https://nemo.omilab.org>

PROGRAMME AND ECTS

<https://nemo.omilab.org>

NEMO 2023 Summer School - Programme Overview

17 - 28. July

universität wien

Time	17 July	18 July	19 July	20 July	21 July	22-23 July	24 July	25 July	26 July	27 July	28 July
08:45 - 09:00	Opening	The Role of Requirements in the Digital Age: Requirements Engineering Revisited	Modelling Temporal Requirements of Processes	Ontology-based Enterprise Modelling for Human and Machine Interpretation	The Industrial Transition towards Smart PSS: Enterprise Modelling to Support Value Creation Processes						
09:00 - 10:00	Practical Aspects of Implementing Digitalization	M. Glanz	J. Eder	K. Hinkelmann	X. Boucher						
10:00 - 11:00	Conceptual Models: Instruments for Digital Ecosystem Development	Multi-Level Modeling with the FMML: Integrated Design and Execution	Health and Wellbeing Ecosystem of the Future: Person-Empowerment, Compliance and Governance	Value Modelling for Ecosystem Design: An eValue Primer and Application Scenarios	Service Engineering Models for the Design and Development of Digitalized Product-Service-Systems						
11:00 - 11:30	H.C. Mayr	U. Frank	M. Helfert, M. Alfano	S. de Kinderen	G. Pezzotta						
11:30 - 12:30	From Requirements to Code: Conceptual Model-based Software Design	Japanese Creative Service as a Next Generation Enterprise Modelling	Integrating and Explaining Decision Models	Organizational Capability for Information Management: Do we feel a Big Data Crisis?	The OMLAB NPO: An Introduction						
12:30 - 14:00	O. Pastor	Y. Hara	J. Vanthienen	I. Lukovic	K. Hinkelmann, W. Utz						
14:00 - 15:00	Tracing the Essence of Metamodeling	Business Innovation with AI-Potential, Cases and Methods	Holistic Data Management and Semantic Interoperability in Historical Research	Towards Modelling-based Process-oriented Quality Management for Environmental Sustainability	HiBI's Software Engineering Advocates						
15:00 - 16:00	V. Döllner	K. Sandkuhl	P. Fafalos, Y. Markidakis		M. Müller						
16:00 - 16:30	How Metamodeling Supports Digitalization	No-coding Approach for Business Logic Modelling	Process Algebra to Model Probabilistic Behavior		CM Tools						
16:30 - 17:30	D. Karagiannis	M. Pankowska			D. Mohammadi Amlashi						
	Get Together Open End	Develop and ...	Practice Session		The Community of Practice: Focus on Skills and Cases						
			OMILAB@UNIVIE Team		L. Vaidian, A. Völz						
			more information								
09:00 - 10:00	Semantic Blockchains: Challenges and Future Prospects	Business Processes as a Driver for Digital Transformation within Business Models	Capability Oriented Requirements Engineering	GROUP PRESENTATIONS Innovation Scenarios							
10:00 - 11:00	H.G. Fill	A. Oberweis	E. Kavali	GROUP PRESENTATIONS Innovation Scenarios							
11:00 - 11:30	Graphs for Systems Engineering	Data Asset Monetization as a Modelling Concern	Improving Communication between IT and Business	Managing ship arrivals in a port: The Design Process of Interactive Application Software	GROUP PRESENTATIONS Innovation Scenarios						
11:30 - 12:30	A.-M. Ghiran	M. Rossi	F. Moser	H. Züllighoven	GROUP PRESENTATIONS Innovation Scenarios						
12:30 - 14:00	Digital Leaders: Innovate Business Models	Digital Leaders: Engineer IoT Environments	Digital Leaders: Realize CPS Applications	Digital Leaders: Showcase Results	GROUP PRESENTATIONS Innovation Scenarios						
14:00 - 15:00	OMILAB@UNIVIE Team	OMILAB@UNIVIE Team	OMILAB@UNIVIE Team	OMILAB@UNIVIE Team	GROUP PRESENTATIONS Innovation Scenarios						
15:00 - 16:00	Enterprise Modeling as a Knowledge Source in Systems Engineering	Understanding Enterprise Modelling Practices	Pre-Conceptual Modeling for Exploring Actors and Interactions in Real-World Systems	Embracing Imperfection in Enterprise Models	GROUP PRESENTATIONS Innovation Scenarios						
16:00 - 16:30	M. Kirikova	E. Proper	S. Vössner	H. Florez	GROUP PRESENTATIONS Innovation Scenarios						
16:30 - 17:30	The ITLingo RSL Language and Its support by the ITLingo-Cloud Platform	How to Model Fair Ecosystems?	Explore Business Ecosystems with EcoViz	PhD Research and Beyond within EIS: Trials and Tribulation	GROUP PRESENTATIONS Innovation Scenarios						
	A. Rodrigues da Silva	J. Gondin	S. Vössner	P. Loucopoulos	Closing Ceremony						
	Improving Agility in the Post-mass Customization Era	Working Session Innovation Scenarios	Working Session Innovation Scenarios	Working Session Innovation Scenarios							
	K. Medini	Group Work	Group Work	Group Work							

Become a Digital Leader!

NEMO2024 awards 6 ECTS

for participants that:

- attend all sessions,
- actively work on the given project and present the results on the final day, and
- take the online written examination.

- Two weeks in Vienna
- Theoretical lectures
- Practical sessions
- Working sessions
- Group Presentation
- Networking with peers and experts

HOW TO APPLY

... to be part of the NEMO Community



<https://nemo.omilab.org/application/>

NEMO Application Form 2024

Use the form below to submit your electronic application for NEMO 2024.

Personal Details

Salutation		Mobile	Mobile
Given name	Enter first name	Email	Email
Family name	Enter last name	Nationality	Nationality
Postal Address	Enter Postal Address	Institution	Institution
ZIP	ZIP		
City	City		
Country	Country		

Summer School Related Details

Academic Level	Bachelor
Field of study	
Selected package	Package I (EUR 1000)

Upload (valid extensions: pdf, doc, docx)

Recommendation Letter	Browse
Curriculum Vitae	Browse

1. Fill out the **Application Form**
2. Upload your **CV**
3. Upload your **Motivation Letter**
4. Upload a **Recommendation Letter** from one of your professors
5. Choose one **Package**
 - All packages include hotel accommodation 12 nights, breakfast, lunch, coffee breaks, materials, registration fee, one social event.

More information:

see the Call for Participation

https://nemo.omilab.org/nemo/2024/docs/NEMO2024_CfP.pdf

MORE INFORMATION

<https://nemo.omilab.org/>

events@omilab.org



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NEMO 2024 WILL **+START+** IN

1 **5** **2** **1** **4** **1** **2** **4** **4**

Days Hours Minutes Seconds

Apply already [NOW](#)