



# NEMO 2022 Summer School - Programme Overview

09 - 10 July

11 July

12 July

13 July

14 July

15 July

09:00 - 10:00

Opening Ceremony

Goal-oriented Process Mining for  
Extracting Enterprise Processes  
D. Amyot

Acquiring models from data  
A. Ghose

The Essence of Conceptual Models  
H.C. Mayr

The industrial transition towards  
smart PSS: enterprise modelling to  
support value creation processes  
X. Boucher

10:00 - 11:00

AMME: How Metamodelling  
Supports Digitalization?  
D. Karagiannis

X-IoT: a Model Driven approach for  
cross platform IoT applications  
A. Polini

An Approach to the Information System  
Conceptual Modeling based on the Form  
Types and ADOxx Tools  
I. Lukovic

Engineering Digital Languages  
B. Rumpe

OMiLAB: An Introduction to the  
Digital Lab  
K. Hinkelmann, W. Utz

11:00 - 11:30

ADOXX TRAINING DAYS

N E T W O R K I N G

B R E A K

11:30 - 12:30

Practice Session  
Develop and use conceptual models  
with Bee-Up®  
P. Burzynski

Data Cleansing for  
Business Understanding  
W. Grossmann, C. Moser

Temporal requirements of processes  
J. Eder

Process Algebra to Model Probabilistic  
Behavior of Smart IoT  
M.K. Lee

OMiLAB@UNIVIE in Action  
Innovation Workshop:  
Digital Design Thinking  
I. Vaidian

12:30 - 14:00

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L U N C H

L U N C H

14:00 - 15:00

Participatory Enterprise Modelling with the  
4EM Method: challenges and applications  
J. Stirna

Multi-Perspective Enterprise Modelling  
as a Foundation of IT-Business Alignment  
U. Frank

SAPnet: A Security Assessment Platform  
for SPN in the IoT Ecosystem  
D. Douligeris

Ontology-based Enterprise Modelling for  
Human and Machine Interpretation  
K. Hinkelmann

OMiLAB@UNIVIE in Action  
Innovation Workshop:  
Digital Design Thinking  
V. Döllner

15:00 - 16:00

MBSE and Semantic Modeling enable  
the transition from Digital Twins to  
Cognitive Twins  
D. Kiritsis

Enterprises as model-driven systems  
E. Proper

Pre-Conceptual Modeling for Exploring  
Actors and Interactions in Real-World Systems  
S. Vössner

Hybrid Knowledge Bases: the  
Interplay between Domain-specific  
Models and Knowledge Graphs  
R. Buchmann, A-M. Ghiran

OMiLAB@UNIVIE in Action  
Innovation Workshop:  
Digital Design Thinking  
C. Muck

16:00 - 16:30

N E T W O R K I N G

B R E A K

16:30 - 17:30

Get Together | Open End

HILTI  
The next generation solid core – flexible  
boundary  
M. Petry

Practice Session  
with EcoViz  
S. Vössner

Practice Session  
with RDF  
R. Buchmann, A-M. Ghiran

Service Engineering models for the  
design and development of Digitalized  
Product-Service-Systems  
G. Pezzotta

16- 17 July

18 July

19 July

20 July

21 July

22 July

09:00 - 10:00

Enterprise Modeling for  
Continuous Requirements Engineering  
M. Kirikova

The Role of Requirements in the  
Digital Age: Requirements Engineering  
Revisited  
M. Glinz

Data asset monetization as a  
modelling concern  
M. Rossi

Capability Oriented  
Requirements Engineering  
E. Kavakli

GROUP PRESENTATIONS  
Innovation Scenarios

10:00 - 11:00

Integrated Process and  
Decision Modelling  
J. Vanthienen

Digital Transformation of Organizations:  
How Enterprise Modelling can help  
K. Sandkuhl

Business Processes as a Driver for Digital  
Transformation within Business Communities  
A. Oberweis

Design and modelling of digital value  
networks, business models and  
architectures in the energy domain of the future  
D. Hertweck, P. Küller

GROUP PRESENTATIONS  
Innovation Scenarios

11:00 - 11:30

LEISURE DAYS

N E T W O R K I N G

B R E A K

11:30 - 12:30

Practice Session Introduction  
Digitalization in Smart Cities: A Case Study  
A. Völz

Practice Session  
Digitalization in Smart Cities with ADOxx®  
OMiLAB@UNIVIE Team

Practice Session  
Digitalization in Smart Cities with ADOxx®  
OMiLAB@UNIVIE Team

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GROUP PRESENTATIONS  
Innovation Scenarios

12:30 - 14:00

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L U N C H

14:00 - 15:00

Towards Tool-Supported Situational  
Roadmap Development for Business  
Process Improvement  
F. Johannsen

Security and AI:  
Regulatory Frameworks Proposals  
S. Tjoa

Modelling Knowledge Action and Time:  
Action Theories and Their Application in  
Dynamic Domains  
D. Plexousakis, T. Patkos

Architecting the Enterprise -  
A Design Science Approach  
M. Helfert

GROUP PRESENTATIONS  
Innovation Scenarios

15:00 - 16:00

Managing ship arrivals in a port: The  
Design Process of Digital Objects in Context  
of Software Architectures  
H. Züllighoven

How to model your eco-system?  
J. Gordijn

Enterprise Modelling and Blockchains:  
Recent Findings and Future Prospects  
H.G. Fill

Challenging the Design of Digital  
Products and Services with Modelling  
Approaches and the OMiLAB@Hilti  
M. Nemetz

GROUP PRESENTATIONS  
Innovation Scenarios

16:00 - 16:30

N E T W O R K I N G

B R E A K

16:30 - 17:30

CITY OF VIENNA  
Digital City Vienna  
K. Himpele

Working Session  
Innovation Scenarios  
Group Work

Working Session  
Innovation Scenarios  
Group Work

PhD Research and Beyond within EIS:  
Trials and Tribulation  
P. Loucopoulos

Closing Ceremony