

SGH

Warsaw School
of Economics



22nd Mathematical & Statistical Modeling of Complex Systems Workshop

co-organized by

SGH Warsaw School of Economics & Northeastern Illinois University

17 – 18 October 2023

15:30 – 19:30 CET

8:30 – 12:30 CST

Venue: “HYBRID”

**SGH Warsaw School of Economics, main building (G) Al. Niepodległości 162,
Warsaw, Poland Auditorium 151**

& On-line

Registration at: [REGISTRATION FORM](#)

The workshop is supported by the Polish National Agency for Academic Exchange (NAWA) under the Strategic Partnerships programme, grant number BPI/PST/2021/1/00069/U/00001.



**POLISH NATIONAL AGENCY
FOR ACADEMIC EXCHANGE**

Agenda

Day I – Tuesday, October 17, 2023

15:30 – 15:45 CEST **Registration & welcome coffee**

15:45 – 16:00 CEST
(8:45 – 9:00 CDT) **Opening addresses**

Prof. Mariusz Próchniak,
Dean, Collegium of World Economy
SGH Warsaw School of Economics, Poland

Prof. Marzenna Anna Weresa
Director of World Economy Research Institute
SGH Warsaw School of Economics, Poland

Prof. Lidia Filus
Chair of Mathematics
Northeastern Illinois University in Chicago, USA

Prof. Christina Ciecierski
Department of Economics
Northeastern Illinois University in Chicago, USA

Session I

Chair: Lidia Filus, NEIU, USA

16:00 – 16:30 CEST (9:00 – 9:30 CDT)
Overview of healthcare infrastructure in EM7, EU and USA - Dawid Majcherek, SGH, Poland

16:30 – 17:00 CEST (9:30 – 10:00 CDT)
Digital readiness in healthcare: comparative analysis of EU and USA resources and capabilities? - Dawid Majcherek, Małgorzata Lewandowska, and Arkadiusz Kowalski, SGH Warsaw School of Economics, Poland

17:00 – 17:30 CEST (10:00 – 10:30 CDT)
Logistic Classifier and Application to the Framingham Heart Study – Nabil Kahouadji, NEIU, the USA

17:30 – 18:00 CEST (10:30 – 11:00 CDT)
Human Drug Administration and its Resulting Effect: A Pharmacokinetic-Pharmacodynamic Model - Emma Turian, NEIU, the USA

18:00 – 18:30 CEST (10:30 – 11:00 CDT)
Funding of the Digital Health Transformation in the United States: Comparative Study of Venture Capital and Initial Public Offering – Izabela Pruchnicka-Grabias, SGH, Poland

18:30 – 19:30 CEST Buffet dinner & networking

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Day II – Wednesday, October 18, 2023

15:00 – 15:30 CEST **Registration & welcome coffee**

Session II

Chair: Christina Ciecierski, PhD, NEIU, USA

15:30 – 17:00 CEST (8:30 – 10:00 CDT)

Hands on: Value Based Healthcare – Fred van Eenennaam, The Netherlands

17:00 – 17:30 CEST (10:00 – 10:30 CDT) **Tea & Coffee break**

Session III

Chair: Marzenna Weresa, PhD, SGH, Poland

17:30 – 18:00 CEST (10:30 – 11:00 CDT)

Adaptation of Time Series Analysis to Central Statistical Monitoring of Clinical Trials: A Pilot Study Maciej Fronc, SGH Warsaw School of Economics, Poland

18:00 – 18:30 CEST (11:00 – 11:30 CDT)

Nature of Digital Health Innovation: Mapping the Research Field – Scott Hegerty, NEIU, the USA & Marzenna Weresa, SGH Warsaw School of Economics, Poland

18:30 – 19:00 CEST (11:30 – 12:00 CDT)

Shifting the Paradigm from Education to Research: Lessons from the Chicago Cancer Health Equity Collaborative (ChicagoCHEC) – Joeli Brinkman, Chicago Cancer Health Equity Collaborative (ChicagoCHEC), NEIU, the USA

19:00 – 19:30 CEST (12:00 – 12:30 CDT)

Strategies for Developing Statistics, Analytics and Data Science Resources in an Academic Center for Health Research - part 2- Lidia Filus and Christina Ciecierski, Chicago Cancer Health Equity Collaborative (ChicagoCHEC), NEIU, the USA

19:30 CEST **Networking and Farewell Tea & Coffee**

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