

ONLINE WORKSHOP

Modelling the Covid-19 Pandemic

Wed, 23rd November & Th, 24th November 2022
via Webex

GSC 

GRAZSCHUMPETERCENTRE

Wednesday, November 23rd

9.30 am to 11 am: Modelling the economics and epidemiology of Covid-19 I

Policy making during COVID-19 and other complex emergencies: the contribution of epidemiologic and macroeconomic modelling in informing decisions
Edith Patouillard (World Health Organization)

V for Vaccines and Variants

Domenico Delli Gatti (Catholic University of Milan)

The Impact of Vaccine Nationalism in the Face of Viral Evolution: An Agent-Based Approach

Patrick Mellacher (University of Graz)

11.30 am to 1 pm: Modelling the economics and epidemiology of Covid-19 II

**Integrated Epidemiological-Economic Models for Pandemic Mitigation Policies:
A Literature Review**
Patrick Doohan & Matteo Pianella (Imperial College)

**Modeling the distributional epidemic-economic effects
of the COVID-19 pandemic**
Marco Pangallo (Scuola Superiore Sant'Anna)

The COVID-19 crisis and inequality: An agent-based stock-flow-consistent model
Oliver Reiter (WIIW)

3 pm to 4.30 pm: Modelling complex epidemiological dynamics

**SCSEIRX - an agent-based simulation tool to assess the effectiveness of COVID
intervention measures in small communities**
Jana Lasser (Technical University of Graz)

**Hit me baby one more time - Exploring virus mutations in an infinite compartment
simulation model**
Simon Plakolb (University of Graz)

**CityCOVID: A Computer Simulation of COVID-19 Spread
in a Large-Urban Area**
Charles Macal (Argonne National Laboratory)

5 pm to 6.30 pm: Modelling the social consequences of Covid-19

**Gender Disparity in COVID-19's Impact on Academic Careers:
An Agent-Based Model**
Mai P. Trinh (Arizona State University)

**Post Pandemic Depression Contagion Risk from Long Covid: Overview of ABM/SD/
Spatial Models for Spatially Tailored Policy Responses**
Maurice Glucksman (University College London)

**Backlash or Progress? - Exploring the long-time effect of Covid-policies
on the division of care work**
Magdalena Rath (University of Graz)

Thursday, November 24th

9.30 am to 11 am: Modelling human behavior in the pandemic

**Belief-Driven Dynamics in a Behavioral SEIRD Macroeconomic
Model with Sceptics**
Christian Proano (University of Bamberg)

**Rational social distancing policy during epidemics
with limited healthcare capacity**
Simon Schnyder (University of Tokyo)

**Inferring hidden utilities from optimal behaviour
using physics-informed neural networks**
John Molina (Kyto University)

Link for day 1 (23rd)



Link for day 2 (24th)



Das Centre ist benannt nach dem berühmten österreichischen Sozialwissenschaftler Joseph Alois Schumpeter, der von 1911–1921 in Graz gelehrt und geforscht hat. Es schafft eine Plattform für Nachwuchsforscherinnen und -forscher, auf der in internationaler Kooperation und mit internationaler Ausstrahlung zu innovativen und relevanten wirtschaftlichen und gesellschaftlichen Themen gearbeitet wird.

RESOWI-Zentrum FE, A-8010 Graz

+43 (0)316 380 3593

schumpeter.centre@uni-graz.at | schumpeter-centre.uni-graz.at



KARL-FRANZENS-UNIVERSITÄT GRAZ
UNIVERSITY OF GRAZ
Graz Schumpeter Centre

