

Seminar organized by Gustav Feichtinger, October 12, 2020:

OPTIMAL CONTROL OF PANDEMICS

Program (times including discussion):

MORNING SESSION: Chair: A. Fuernkranz-Prskawetz

9-10: V. Veliov & R. Kovacevic: A new approach for modelling epidemic dynamics adapted to COVID-19

10-11: R. F. Hartl & P.M. Kort: How long and how intensive should COVID-19 lockdowns be?

11-11.30: Break

11.30-12: D. Grass: How to distribute the jabs: Coordinating lockdowns and the allocation of scarce COVID vaccines

12.-13: Lunch Break

AFTERNOON SESSION: Chair: M. Kuhn

13-14: H. Dawid: Economic and epidemic implications of virus containment policies: insights from agent-based simulations

14-15: S. Wrzaczek & M. Freiberger: Distributed SIR-model with controlled interaction

15.-15.30: Break

15.30-16.30: M. Sanchez-Romero: An indirect method to monitor the fraction of people ever infected with COVID-19: an application to the US

ROUND TABLE DISCUSSION: 16.30-17.30