



Problem-Solving Workshop

March 3, 2021

3:00 pm - 3:10 pm CET: Opening Remarks

Speaker: Prof. Dr. Tim Bütke (Chair for International Relations at the Hochschule für Politik (TU Munich))



Tim Bütke is Professor and Chair for International Relations at the Hochschule für Politik at the Technical University of Munich (TUM), the TUM School of Governance and the TUM School of Management, as well as a Senior Fellow of Duke University and Kenan Institute for Ethics. He studied primarily at Harvard University (BA 1995) and Columbia University, New York (Ph.D. 2002). His research on regulatory politics and policy in global markets includes work on the governance of medical instruments and devices and on technology governance, focusing on health-IT and electronic medical records, which he has pursued inter alia as a Robert-Wood-Johnson Foundation Scholar in Health Policy at the University of California, Berkeley and UCSF.

3:10 pm - 4:30 pm CET: Presentation of Key Takeaways from Problem Identification Workshop held on February 10 and 11, 2021.

This session will provide an overview of the key takeaways from the first two days of the conference, stakeholder expectations from PHSM trackers, and the results of the collaboration opportunities conducted in the interim.



4:30 pm - 5:30 pm CET: Breakout Sessions

After the “Key Takeaways” session, participants will have the option to choose between three separate breakout room sessions focused on i) tracker data applications, ii) health equity & human rights data, and iii) tracking vaccination-related PHSMs.

ROOM 1: Applications of PHSM Tracker Data

The abundance of COVID-19 PHSM tracker data provides exciting opportunities for its use in research, health policy, and more. Trackers will present visualizations of current data collection efforts that can be used to inform pandemic control policies and public health measures.

Moderator: Luca Messerschmidt

Speaker: Paolo Giudici (Professor of Statistics and Financial Data Science, University of Pavia)



Paolo Giudici is a Professor of Statistics and Financial Data Science at the University of Pavia. His work focuses on the construction of multidimensional statistical models to obtain accurate, explainable, and robust economic predictions and risk management measures to improve the sustainability of digital and financial technologies. He has been an active member of the academic community as an editor of numerous academic journals. He has also been active contributor to the policy world, having served as research fellow, consultant or expert to numerous financial institutions and business associations.

He has further been a coordinator of 12 funded scientific projects, including the European Horizon2020 projects “PERISCOPE: Pan-European Response to the Impacts of COVID-19 and future Pandemics and Epidemics (2020-2023)” and “FIN-TECH: Financial supervision and Technological compliance” (2019-2021).



Speaker: Peter Klimek (Associate Professor, Medical University of Vienna)



Peter Klimek is Associate Professor at the Medical University of Vienna and faculty member of the Complexity Science Hub Vienna. Drawing from his expertise in complexity science, data science, statistics and physics, his research aims to improve our understanding and ability to predict complex socio-economic systems, ranging from human disease over healthcare systems to economic and financial systems. Peter and his research team developed prediction and stress-test models for how people acquire more and more chronic disorders as they age, how healthcare systems cope with changes in their workforce, and how shocks disrupt economic and financial markets. He invented a novel statistical test to detect signs of electoral fraud and was the first to mathematically prove that governments are bound to become ineffective over time. He authored a textbook on the Theory of Complex Systems (together with S. Thurner and R. Hanel) and operated a model used by the Austrian government to forecast the COVID-19 epidemics in Austria.



ROOM 2: Health Equity & Human Rights

The COVID-19 pandemic has exacerbated existing inequities and human rights violations all around the world. Here, we will provide an overview of the health inequities (across race, ethnicities, geography, gender, age, socioeconomic status etc.) in COVID-19 outcomes, testing, policy, and especially in data. We will discuss the importance of promoting health equity and human rights in this pandemic through PHSM data collection.

Moderator: Sophia Zweig

Speaker: Dr. Oluwaseun O. Falade-Nwulia (Assistant Professor of Medicine, Johns Hopkins University School of Medicine)



Dr. Oluwaseun O. Falade-Nwulia is an Assistant Professor of Medicine at the Johns Hopkins University School of Medicine and a faculty member at the Johns Hopkins Bloomberg School of Public Health Center for Health Equity. Her areas of clinical expertise include infectious disease and substance abuse. Dr. Falade-Nwulia earned her M.B.B.S. from the University of Ibadan Medical School College of Medicine. She completed her residency at Johns Hopkins Bayview Medical Center. She performed a fellowship in infectious diseases at Johns Hopkins Medical Center and a fellowship in critical care medicine at the National Institutes of Health.



ROOM 3: Tracking COVID-19 Vaccination PHSMs

One of the most pressing challenges in the pandemic is the rollout of COVID-19 vaccines - their efficacy, distribution, administration, manufacturing, financing, and more. This breakout session will discuss how PHSM trackers can collect data on vaccine-related policies and programs, specifically the vaccination policy data needs.

Moderator: Alex John Zapf

Speaker: Dr. Bonnielin Swenor (Director, Johns Hopkins Disability Health Research Center)



Dr. Bonnielin Swenor is the Director of the Johns Hopkins Disability Health Research Center and an Associate Professor of Ophthalmology at the Wilmer Eye Institute. She is also an Associate Professor of Epidemiology at the Johns Hopkins Bloomberg School of Public Health, as well as a core faculty member at the Johns Hopkins Center on Aging and Health.

Dr. Swenor's research aims to improve the health of people with disabilities, including visual impairments and is fueled by her personal experience with a visual disability. Dr. Swenor received her master of public health and doctorate degrees in epidemiology from the Johns Hopkins Bloomberg School of Public Health. She completed a postdoctoral research fellowship at the National Institute on Aging prior to joining the Wilmer faculty.

5:30 pm – 5:45 pm CET: Break



5:45 pm - 6:45 pm CET: Public Health Preparedness and Response to the COVID-19 Pandemic & Beyond

The COVID-19 pandemic has shown us the importance of pandemic preparedness and the consequences of not being well-prepared. Inherent to a well-informed pandemic response is well-organized, funded, and timely data collection. The speaker will discuss how we can best prepare for the future of this pandemic and how tracking efforts contribute to pandemic control.

Moderator: Alex John Zapf

Speaker: Dr. Jennifer Nuzzo (Senior Scholar, Johns Hopkins Center for Health Security)



Dr. Nuzzo is a Senior Scholar at the Johns Hopkins Center for Health Security, an Associate Professor in the Department of Environmental Health and Engineering and the Department of Epidemiology at the Johns Hopkins Bloomberg School of Public Health, and a Senior Fellow for Global Health at the Council on Foreign Relations. Her work focuses on global health security, pandemic preparedness, outbreak detection and response, health systems, biosurveillance, and infectious disease diagnostics. She directs the Outbreak Observatory for outbreak preparedness and response and is the lead epidemiologist for the Johns Hopkins COVID-19 Testing Insights Initiative. Dr. Nuzzo received a DrPH in epidemiology from the Johns Hopkins Bloomberg School of Public Health and an SM in environmental health from Harvard University.

6:45 pm -7:30 pm CET: Q&A & Final Words

Attendees will have the opportunity to raise final questions.