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Health Applications Society
Online Seminar Series

Pinar Keskinocak

William W. George Chair and Professor & Director of the Center for Health and Humanitarian Systems

Georgia Institute of Technology

March 24th, 2023 (Friday)

1-2 pm Eastern Time
10-11 am Pacific Time

Zoom Webinar
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Infectious Disease Modeling, Evaluating Interventions, and Resource Allocation

Abstract: Infectious diseases continue to affect millions of people around the world every year, despite the progress in science and medicine. This presentation will provide an overview of our research team's work on modeling various of infectious diseases, such as pandemic flu, cholera, malaria, polio, Guinea worm, and Covid-19. To understand the spread of infectious diseases and evaluate the impact of interventions, we utilized different modeling approaches, such as SEIR or agent-based, depending on the research questions or decision-support needs in practice. Our research results provide insights to decision-makers regarding the impact of combinations of interventions, considering factors such as compliance with public health recommendations, as well as the allocation of scare resources such as vaccines.

Bio: Pinar Keskinocak, Ph.D., is the William W. George Chair and Professor in the Stewart School of Industrial and Systems Engineering and the co-founder and Director of the Center for Health and Humanitarian Systems at Georgia Institute of Technology.