

Epidemics and Human Mobility

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The severity of infectious diseases and epidemics increases drastically, when pathogens start being transmitted among humans, as they can dispose of human traffic networks for their spreading. This can transform an epidemic into a worldwide threatening pandemic, as the current COVID-19 crisis has shown. This talk will emphasize and analyze the key role of human mobility for the modeling, forecast, and control of epidemic spreading and discuss recent work on endemic diseases in populations open to migration like in refugee transit camps.