



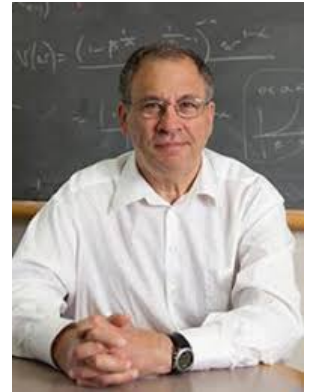
University
of Victoria

University of Victoria Public Lecture

Thursday, June 13, 2019

7:30 pm

Bob Wright Centre A104



Mathematical ecology: A century of progress, and challenges for the next century

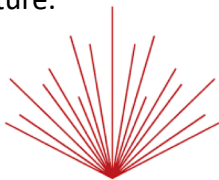
Dr. Simon Levin,

*J.S. McDonnell Distinguished University Professor
in Ecology and Evolutionary Biology*

Recipient National Medal of Science, Kyoto Prize, Robert H. MacArthur Award

Princeton University

The subject of mathematical ecology is one of the oldest and most exciting in mathematical biology, and has helped in the management of natural systems and infectious diseases. Though many problems remain in those areas, we face new challenges today in finding ways to cooperate in managing our Global Commons. From behavioral and evolutionary perspectives, our societies display conflict of purpose or fitness across levels, leading to game-theoretic problems in understanding how cooperation emerges in Nature, and how it might be realized in dealing with problems of the Global Commons. This lecture will attempt to weave these topics together, tracing the evolution from earlier work to challenges for the future.



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