

## All-optical Synchronization of a Microcavity Soliton to a Reference Laser: From Clockworks to Chaos

## Kartik A. Srinivasan

National Institute of Standards and Technology, USA

## Abstract—

Kartik Srinivasan is a Fellow of the National Institute of Standards and Technology, a Fellow and Co-Director of the NIST/University of Maryland Joint Quantum Institute, and an Adjunct Professor of Physics at the University of Maryland. He received B.S., M.S., and Ph.D. degrees in Applied Physics from the California Institute of Technology before joining NIST in 2007. Kartik has published research on topics such as integrated quantum photonics, nonlinear nanophotonics, nanoscale electro-optomechanical transducers, and photonic crystals. He has received the Presidential Early Career Award for Scientists and Engineers, the Department of Commerce Bronze and Gold Medals, the NIST Samuel Wesley Stratton Award, and is a Fellow of Optica (formerly OSA). He is a Deputy Editor of Optica Quantum.

