Atsushi Uchida

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Optical Communication with Chaotic Lasers

Applications of Nonlinear Dynamics and Synchronization



Optical Communication With Chaotic Lasers

Author: Atsushi Uchida / **Category**: Technology & Engineering / **Total Pages**: 640 pages

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Summary: Free optical communication with chaotic lasers pdf download - starting with an introduction to the fundamental physics in chaotic instabilities in laser systems this comprehensive and unified reference goes on to present the techniques and technology of synchronization of chaos in coupled lasers as well as the many applications to lasers and optics communications security and information technology throughout it presents the current state of knowledge including encoding decoding techniques performance of chaotic communication systems random number generation and novel communication technologies

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eavesdropping in chaotic optical communication using the \dots - eavesdropping in chaotic optical communication using the feedback length of an external-cavity \dots eve's lasers, respectively, and h^{\bullet} i denotes the time

secure optical communication systems based on chaotic carriers - secure optical communication systems based on chaotic carriers dimitris kanakidis * national and kapodistrian university of athens department of informatics and ...

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chaotic dynamics of se miconductor lasers for secure ... - chaotic dynamics of se miconductor lasers for secure optical communication ... strong optical injection locking of semiconductor lasers can give an output of chaotic

11 performance of synchronized chaotic optical ... - performance of synchronized chaotic optical communication ... chaotic optical communication is a novel ... lasers in this chapter for chaotic optical ...

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