

# Light Localisation And Lasing: Random And Pseudo-random Photonic Structures

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Apr 09, 2004 Abstract: The results of computer simulations of light scattering by a random array of small particles is presented. Results are given for arrays of

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## **Anderson localization of light near boundaries of**

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The properties of quasi-random and random photonic systems have been Light Localisation and Lasing Modes structure and interaction in random lasers M

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## **Random lasing and weak localization of light in**

Random lasing action and weak localization of light were observed in random scattering behind the photoinduced random lasing and the localization of light.

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**Arxiv:0812.2287v1 [physics.optics] 12 dec 2008**

lead to eye-closing under a pseudo-random bit the full photonic crystal structure uniformly to Spontaneous Light Emission in Photonic Crystals

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**The role of polymers in random lasing - sznitko -**

J. and Miniewicz, A. (2015), The role of polymers in random lasing. J mechanisms of light localization have to Pseudo-random structure can support

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**Light localisation and lasing : random and quasi-**

random and quasi-random photonic structures. Light localisation and lasing. 2D pseudo-random and deterministic aperiodic lasers / Hui Cao,

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**Disorder-induced localization of light near edges**

due to novel opportunities for observing light localization in random To study the localization of light near Multiplying  $V_p$  by a pseudo-random

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helping professionals like Svetlana Boriskina discover with aperiodic photonic structures with an light localization and DOS manipulation

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**Light propagation and emission in complex**

Light propagation and emission in complex photonic Light Localisation and Lasing: Random and and-lasing-random-and-pseudo-random-photonic-structures

**Finite-element analysis of lasing modes within**

We investigated several types of random lasing modes against frequency and the excitation of active medium. Random lasing occurring from multiple light scatterings

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Title: Light localization and lasing threshold in random media: Authors: Sievert, Paul R.; Freeman, A. J.

Affiliation: AA(Northwestern U.), AB(Northwestern U.)

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**[1505.00465] transport of localized waves via**

Abstract: Chapter 2 in the book "Light localisation and lasing Random and Pseudo-random Photonic Structures" eds by Mher Ghulinyan and Lorenzo Pavesi

### **Localization, multiple scattering, and lasing in**

Localization, Multiple Scattering, and Lasing in Random Nanomedia: Authors: random media, nanostructured materials, light scattering, optical materials,

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### **Cambridge journals online - search results**

Light Localisation and Lasing by Mher Ghulinyan , Lorenzo Pavesi [Random and Pseudo-random Photonic Structures] Print Publication Year: 2014; Online Publication Date:

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in a 5 microm sized high-index-contrast pseudo-random distribution of dielectric rods. This structure, in Novel Compact Pseudo-Random Structures Designed

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Random lasers as fascinating new light sources. Diederik Wiersma Complex Photonic Media; Graeme Dewar; A phenomenon termed random lasing can be observed,

### **Light localisation and lasing - beck-shop.de**

LIGHT LOCALISATION AND LASING Random and Quasi-Random Photonic Structures Edited by M. GHULINYAN Fondazione Bruno Kessler, Italy and L. PAVESI University of Trento, Italy

### **Ieee xplore abstract - light localization and**

Light localization and label-free colorimetric sensing with deterministic aperiodic photonic structures their applications as pseudo-random lasers

### **Review of recent progress of iii-nitride nanowire**

Overview of the Recent Progress of III-Nitride Both structures exhibited lasing action at one could think of designing a pseudo-random laser with

### **Amazon.com: light propagation and random lasing:**

Light Propagation and Random Lasing: Designing this method, we had to study light localization effects in random media including absorption and gain.

### **Lorenzo pavesi (author of silicon photonics)**

Lorenzo Pavesi is the author of Silicon Photonics (3.50 avg rating, 2 ratings, 0 reviews, published 2004), Biophotonics (0.0 avg rating, 0 ratings, 0 rev

### **Contents**

6.3 Pseudo-random laser 133 Random and Quasi-Random Photonic Structures Light Localisation and Lasing: Random and Quasi-Random Photonic Structures

### **Osa | random lasing and weak localization of light**

Random lasing and weak localization of light in dye-doped nematic liquid crystals G. Strangi, S. Ferjani, V. Barna, A. De Luca, C. Versace, N. Scaramuzza, and R

### **Electromagnetic coupling and plasmon localization**

Electromagnetic coupling and plasmon localization structures possess unique light localization random structure (d) (obtained with a pseudo

### **Demonstration of laser action in a pseudo- random**

We demonstrated lasing in localized optical resonances of deterministic aperiodic structures with pseudo-random random lasers and different from photonic

### **Light localisation and lasing - bokus.com**

Pris 793 kr. K p Light Localisation and Lasing Light Localisation and Lasing Random and Pseudo The properties of quasi-random and random photonic

### **Confinement of light in disordered photonic**

transverse localization of light of spatial period and a spatially periodic random free propagation of light in a discrete disordered photonic structure

### **Quasi-localized modes in deterministic aperiodic**

Jun 22, 2012 Quasi-localized modes in Deterministic Aperiodic Nano Structures Invited talk presented by Svetlana V. Boriskina at 2009 SPIE Photonics West Conference

### **Mher ghulinyan - scientific web page**

Scientific web page of Dr. Mher Ghulinyan Last updated Book - Light Localisation and Lasing: Random and Pseudo-random Photonic Structures.

### **Science - optics - ibs**

optics: Titoli 1-100 di 2049 Encyclopedia of Optical and Photonic Engineering, Second Edition Light Localisation and Lasing: Random and Pseudo-Random Photonic

### **Integrated photonics research in china | optics &**

One example of integrated photonic devices developed a 40 Gbit/s return-zero pseudo-random structure. In the SACM-APD, the light absorption occurs

### **Light transport and localization in diffusive**

Keywords: wave propagation in random media, random lasers, disordered media, light localization of random lasing must, therefore, take into account either the

### **Mher ghulinyan | app**

Mher Ghulinyan received the M.S Light Localisation and Lasing: Random and Pseudo-random Photonic Mher Ghulinyan, Lorenzo Pavesi, Light Localisation and Lasing