



Seminar Series

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Nonlinear Seminars

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Fall 2001

[Duke University](#)[Duke Phonebook](#)

Departments:

[Biology](#)[Cell Biology](#)[Mathematics](#)[Physics](#)[Earth & Ocean
Sciences](#)[Biomedical
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Environmental
Engineering.](#)[Electrical and
Computer
Engineering.](#)[Mechanical
Engineering &
Materials.Science](#)[Neurobiology](#)[Nicholas School
of.the.Environment](#)Tuesday, Sep 4,
2001 2:15pm

Room 113

Open --[TBA](#)Tuesday, Sep 11,
2001 2:15pm

Room 113

Linda Smolka -- Penn State University[Filament Dynamics of Non-Newtonian Fluids](#)Tuesday, Sep 18,
2001 2:15pm

Room 113

Alan Garfinkel -- UCLA - **Seminar Postponed due to the National Tragedy**Tuesday, Sep 25,
2001 2:15pm

Room 113

Randy Leveque -- University of Washington - **Seminar Postponed due to the National Tragedy**[TBA](#)**Thursday, Sep 27,
2001 3:30pm****Room 141 Hudson
Hall****Eric Maslen** -- University of Virginia[Useful nonlinearity and parametric dependence](#)Tuesday, Oct 2, 2001
2:15pm

Room 113

Pierre Gremaud -- North Carolina State University[Numerical simulation of powder consolidation](#)**Friday, Oct. 5, 2001
2:15 PM**

Room 113

Liz Bradley -- University of Colorado[Chaos and Control](#)

[Psychiatry and Behavioral Science](#)

[Altavista \(simple\)](#)

- Tuesday, Oct 9, 2001 2:15pm
 Room 113 **Garnett Kelsoe** -- James B. Duke Professor of Immunology, Duke University
[Immunology and the Challenge to Mathematical Modelers](#)
- Tuesday, Oct 16, 2001 2:15pm
 Room 113 **Weili Luo** -- University of Central Florida - **Seminar Postponed due to the National Tragedy**
[Field-induced spatio-temporal patterns in magnetic fluids](#)
- Monday, Oct 22, 2001 2:15pm**
TBA **Jacob White** -- MIT **Seminar Postponed due to the National Tragedy**
[Reduced Order Modeling of Multi-field Systems including Fluids, Solids and Electromagnetics](#)
- Tuesday, Oct 23, 2001 2:15pm
 Room 113 **Erik Bollt** -- US Naval Academy
[Transport and Global Control: Applications of the Frobenius-Perron Operator in Deterministic and Stochastic Dynamical Systems](#)
- Tuesday, Oct 30, 2001 2:15pm
 Room 113 **Jorge Tredicce** -- Institut Non Linéaire de Nice Sophia Antipolis
[Cavity solitons in semiconductor resonators](#)
- Friday, Nov. 2, 2001 11:30 AM**
 Room **054** **Arjendu K. Pattanayak** -- Carleton College
[Chaos, Entropy-Production, and the Boundaries of the Quantum World](#)
(Joint with the Condensed Matter Seminar Series)
- Tuesday, Nov 6, 2001 2:15pm
 Room 113 **Andrew Szeri** -- University of California at Berkeley
[Sonoluminescence and shock formation in the presence of entropy gradients](#)
- Wednesday, Nov 7, 2001 4:00pm**
 Room 113 (with Physics Colloquium) **Harold Craighead** -- Cornell University
[Nanobiotechnology](#)
- Tuesday, Nov 13, 2001 2:15pm
 Room 113 **Norman Murray** -- University of Toronto
[Chaos in the Solar System](#)
- Wednesday, Nov. 14, 2001 4:00pm**
Room 114 Physics **Sidney Perkowitz** -- Emory University
[Universal Foam: from Cappucino to the Cosmos](#)

- Tuesday, Nov 20,
2001 2:15pm
Room 113
Anne Weil -- Duke University
[*Lies, Damned Lies, and Lots of Statistics:
Evolutionary Theory and Self Organized Criticality*](#)
- Tuesday, Nov 27,
2001 2:15pm
Room 113
Thomas B. Kepler -- Sante Fe Institute
[*Stochasticity in Transcriptional Regulation: Origins,
Consequences and Mathematical Representations*](#)
- Friday, Nov. 30,
2001
8:25 AM - 4:30 PM
Duke CNCS - Naval Research Laboratory Workshop
**Duke University
Faculty Commons** "Applied Nonlinear Dynamics," including General Topics
in Nonlinear Dynamics, Signal Processing and Damage
Detection
- Tuesday, Dec 4,
2001 2:15pm
Room 113
Will Wilson -- Duke University
[*Reproductive uncertainty and the relative virtues of
simultaneous hermaphroditism versus dioecy*](#)
- Tuesday, Dec 11,
2001 2:15pm
Room 113
Open --
[TBA](#)

Previous CNCS Nonlinear Seminars:

[Spring 2002](#), [Spring 2001](#), [Fall 2000](#), [Spring 2000](#),
[Fall 1999](#), [Spring 1999](#), [1998](#), [1997](#)

Contact [Dan Gauthier](#) to make changes or additions to this page.