



**Department of Mathematics
Seminars and Colloquia**

September 8–12, 2008

Geometric Analysis Seminar

Monday
September 8 Professor Sai Kee Yeung, Purdue University REC 114
“Fake Projective Planes and Arithmetic Fake Compact Hermitian Symmetric
Spaces”
4:30 P.M.

Bridge to Research Seminar

Monday
September 8 Professor J. Włodarczyk, Purdue University Math Library
“Algebraic Morse Theory”
4:30 P.M.

Student Commutative Algebra Seminar

Monday
September 8 Ms. Melissa Kraus, Purdue University MATH 215
“Overview of the Multiplicity and the Boij–Soderberg Conjectures”
4:30 P.M.

Operator Algebras Seminar

Tuesday
September 9 Professor Zhuang Niu, University of Oregon MATH 731
“Extended Rotation Algebras II”
2:30 P.M.

Department of Mathematics Colloquium

Tuesday
September 9 Professor Andrew Toms, York University MATH 175
“Dimension(s) for C^* -algebras”
4:30 P.M.

Function Theory Seminar

Wednesday
September 10 Professor Alexander Rashkovski, University of Stavanger, visiting Purdue REC 116
“Tropical Analysis of Plurisubharmonic Singularities”
1:30 P.M.

Working Algebraic Geometry Seminar

Wednesday
September 10 Professor Donu Arapura, Purdue University MATH 731
“The Beilinson–Hodge Conjecture is True for Semiabelian Varieties (II)”
3:30 P.M.

Commutative Algebra Seminar

Wednesday
September 10 Dr. Kyungyong Lee, Purdue University MATH 211
“Deformation Spaces of Powers of Maximal Ideals (part II)”
4:30 P.M.

Automorphic Forms and Representation Theory Seminar

Thursday
September 11 Professor Shuichiro Takeda, Purdue University MATH 731
“On the Non–Vanishing Problem of Theta Lifts”
1:30 P.M.

Topology Seminar

Thursday
September 11

Professor Ben Walter, Purdue University
"Cooperads and Coalgebras, or What is a Cofree Coalgebra?"
3:30 P.M.

REC 117

You can also view this information on our departmental web page:
<http://calendar.science.purdue.edu/math/seminars>