

Vanderbilt University, Department of Mathematics  
Nashville, Tennessee, USA

# Workshop ON NIL PHENOMENA IN TOPOLOGY

APRIL 14 AND 15, 2007

Saturday, April 14:

Morning session moderator: **Marco Varisco**

9:00- 9:25 am Refreshments in SC 1425

9:25- 9:30 am Welcome by **Dietmar Bisch**, Chair of the Department of Mathematics, in Room SC 4309

9:30-10:30 am **Erik Pedersen** “*Identifying assembly maps*”

10:45-11:45 am **Andrew Ranicki** “*Nilpotence = torsion*”

11:45-1:15 pm Lunch break

Afternoon session moderator: **Christian Haesemeyer**

1:15- 2:15 pm **Jean-Francois Lafont** “*Lower algebraic K-theory of lattices in hyperbolic space, I*”

2:30- 3:30 pm **Ivonne Ortiz** “*Lower algebraic K-theory of lattices in hyperbolic space, II*”

3:30- 4:00 pm Refreshments in SC 1425

4:00- 5:00 pm **Jim Davis** “*Some Remarks on Nil groups in Algebraic K-theory*”

5:15- 6:15 pm **Daniel Juan-Pineda** “*Vanishing and non-vanishing results for Nils*”

Sunday, April 15:

9:00- 9:30 am Refreshments in SC 1425

Morning session moderator: **Larry Taylor**

9:30-10:30 am **Ian Hambleton** “*Computations of the Bass Nil groups*”

10:45-11:45 am **Stratos Prassidis** “*Nils of pseudoisotopies*”

11:45- 1:15 pm Lunch break

Afternoon session moderator: **Xiangdong Xie**

1:15- 2:15 pm **Ross Staffeldt** “*The connecting homomorphism for K-theory of generalized free products*”

2:15- 3:00 pm Problem Session moderated by **Ian Hambleton**

3:00- 3:30 pm Refreshments in SC 1425

3:30- 4:30 pm **Bruce Williams** “*From Geometric to Algebraic Nil*”

4:45- 5:45 pm **Joachim Grunewald** “*Operations on Nil-terms*”

All lectures will be in SC 4309. The workshop is being sponsored by the National Science Foundation and the Shanks Endowment of the Department of Mathematics at Vanderbilt University.

Organizers: Bruce Hughes and Qayum Khan of Vanderbilt University

Abstracts available at <http://www.math.vanderbilt.edu/~hughescb/Abstracts.pdf>