

Schedule  
 Commutative Algebra: Connections with Algebraic Topology and Representation Theory  
 Sunday, May 18–Thursday, May 22  
 115 Avery Hall

Opening Remarks: John Meakin, Chair, Department of Mathematics; David Manderscheid, Dean, College of Arts & Science;  
 Prem Paul, Vice Chancellor, Office of Research

	Sunday	Monday	Tuesday	Wednesday	Thursday
8:00 am					
8:15 am					
8:30 am					
8:45 am					
9:00 am	Opening Remarks				
9:15 am	<b>Ragnar-Olaf Buchweitz</b> On the endomorphism ring of the syzygies in the tautological Koszul complex.	<b>Steve Halperin</b> An asymptotic formula for the ranks of the homotopy groups of a 1-connected finite complex, and for the deviations of a local ring.	<b>David Eisenbud</b> Cones of Betti Tables and Cohomology Tables.	<b>Dave Benson</b> Squeezed resolutions and the loop space on BG p-completed.	<b>Jürgen Herzog</b> Vertex Cover Algebras.
9:30 am					
9:45 am					
10:00 am	Break	Break	Break	Break	Break
10:15 am					
10:30 am	<b>Kiriko Kato</b> Recollement of homotopy categories and Cohen-Macaulay modules.	<b>Alex Berglund</b> Minimal Koszul models in local algebra and rational homotopy theory.	<b>Henrik Holm</b> Vanishing of cohomology over AC rings.	<b>John Greenlees</b> Homotopy invariant notions of complete intersections for commutative rings and ring spectra.	<b>Idun Reiten</b> Cluster tilting and hypersurfaces.
10:45 am					
11:00 am	<b>Sean Sather-Wagstaff</b> Counting semidualizing complexes.	<b>Greg Piepmeyer</b> TBA	<b>Janet Striuli</b> Degree of generalized Hilbert Polynomials and applications.		
11:15 am					
11:30 am	Break	Break	Break	Break	Break
11:45 am					
12:00 pm	<b>Winfried Bruns</b> Koszul homology and the $N_p$ property of Veronese subrings.	<b>Clarence Wilkerson</b> The rational homotopy of toric varieties.	<b>Irena Peeva</b> Hilbert schemes over Clements-Lindstrom rings.	<b>Brooke Shipley</b> A curious example of two model categories and some associated differential graded algebras.	<b>Mel Hochster</b> Tight closure and localization.
12:15 pm					
12:30 pm					
12:45 pm	Lunch	Lunch	Lunch	Lunch	
1:00 pm					
1:15 pm					
1:30 pm					
1:45 pm					
2:00 pm					
2:15 pm					
2:30 pm					
2:45 pm	<b>Henning Krause</b> Localizing subcategories of the stable module category of a finite group.	<b>Jan-Erik Roos</b> Homological properties of the cohomology ring of the fundamental group of 3-manifolds.	<b>Joseph Lipman</b> Hochschild homology and Grothendieck Duality.	<b>Paul Roberts</b> Almost Cohen-Macaulay Algebras.	
3:00 pm					
3:15 pm					
3:30 pm					
3:45 pm	Break	Break	Break	Break	
4:00 pm					
4:15 pm	<b>Müfit Sezer</b> Separating Invariants.	<b>Tony Puthenpurakal</b> Asymptotic stabilization of prime divisors of certain extension modules.	<b>Izuru Mori</b> Symmetry and asymmetry of the Euler form.	<b>Petter Andreas Bergh</b> Quantum complete intersections.	
4:30 pm					
4:45 pm	Break	Break	Break	<b>Claudia Miller</b> On the Frobenius endomorphism.	
5:00 pm	<b>Jon Carlson</b> Finite generation of Tate cohomology.	<b>Bernd Ulrich</b> Blowup algebras and fibers of morphisms.	<b>Kathryn Hess</b> Power maps on the Hochschild complex of a twisting cochain.	Break	
5:15 pm				<b>Craig Huneke</b> Comparing powers and symbolic powers of ideals.	
5:30 pm					
5:45 pm					
6:00 pm					
6:15 pm					
6:30 pm					
6:45 pm					
7:00 pm					

	What	When	Where	
Special Events:	Indian Classical Music Performance	Sunday	7:30-9:00 p.m.	Mabel Lee Hall (3rd Floor)
	Reception	Saturday	7:30–10:30 p.m.	2400 Sheridan (Wiegands' Home)
	Dinner Party	Monday	7:30–10:30 p.m.	6712 Old Dominion (Avramovs' Home)
	Banquet	Tuesday	7:00–11 p.m.	Wick Alumni Center