

Center for Mathematics at Notre Dame
INTERNATIONAL CONFERENCE IN COMMUTATIVE ALGEBRA AND
ITS INTERACTION WITH ALGEBRAIC GEOMETRY

Sunday June 16 - Friday June 21, 2019

University of Notre Dame

SCHEDULE

**All talks will be held in 127 Hayes-Healy and Coffee Breaks/Registration in 257 Hurley*

Sunday, June 16, 2019

9:00am	Registration/Continental Breakfast
10:00am	Lucho Avramov (University of Nebraska) <i>Monoids of Betti tables over short Gorenstein algebras</i>
11:00am	Coffee Break
11:30am	Claudia Miller (Syracuse University) <i>Betti numbers of the Frobenius powers of the maximal ideal over generic hypersurfaces in 3 variables.</i>
12:30pm	Break with Students
1:00pm	Lunch Break
2:30pm	Hai Long Dao (University of Kansas) <i>Loaded Modules</i>
3:30pm	Coffee Break
4:30pm	Andy Kustin (University of South Carolina) <i>Resolutions which are Differential Graded Algebras</i>
5:30pm	Break with Students

Monday, June 17, 2019

9:00am	Registration/Continental Breakfast
10:00am	Karen Smith (University of Michigan) <i>Cluster Algebras in Prime Characteristic</i>
11:00am	Coffee Break
11:30am	Anurag Singh (University of Utah) <i>Differential operators on some invariant rings</i>
12:30pm	Break with Students
1:00pm	Lunch Break
2:30pm	Mel Hochster (University of Michigan) <i>Faithfulness of Top Local Cohomology</i>
3:30pm	Coffee Break
4:00pm	Linquan Ma (Purdue University) <i>Asymptotic Lech's inequality</i>
5:00pm	Break with Students
6:00pm	Dinner Buffet (outside Hayes-Healy Hall)
7:30pm	CONCERT

Tuesday, June 18, 2019

9:00am	Continental Breakfast
10:00am	Craig Huneke (University of Virginia) <i>The Mathematical Work of Bernd Ulrich</i>
11:00am	Coffee Break
11:30am	David Eisenbud (MSRI & University of California Berkeley) <i>Residual Intersections from Chasles to Ulrich</i>
12:30pm	Break with Students
1:00pm	Lunch Break
2:30pm	Louiza Fouli (New Mexico State University) <i>The Core of Ideals</i>
3:30pm	Coffee Break
4:30pm	Steve Kleiman (MIT) <i>Macaulay Duality over Any Base</i>
5:30pm	Break with Students
6:30pm	BANQUET DINNER St. Andrew Greek Orthodox Church

Wednesday, June 19, 2019

9:00am	Continental Breakfast
10:00am	Marilina Rossi (University of Genoa, Italy) <i>The Castelnuovo-Mumford regularity of the “blow-up algebras”</i>
11:00am	Coffee Break
11:30am	Marc Chardin (Sorbonne Université, France) <i>Complete intersections in a product of projective spaces</i>
12:30pm	Break with Students
1:00pm	Lunch Break
2:30pm	Aldo Conca (University of Genoa, Italy) <i>Ideals associated to graphs and special sections of determinantal varieties</i>
3:30pm	Coffee Break
4:30pm	Kei-ichi Watanabe (Nihon University, Japan) <i>Normal reduction numbers of integrally closed ideals in a 2-dimensional cone singularities.</i>
5:30pm	Break with Students

Thursday, June 20, 2019

9:00am	Continental Breakfast
10:00am	Irena Peeva (Cornell University) <i>Regularity of prime ideals</i>
11:00am	Coffee Break
11:30am	Kevin Tucker (University of Illinois – Chicago) <i>TBA</i>
12:30pm	Break with Students
1:00pm	Lunch Break
2:30pm	Dale Cutkosky (University of Missouri) <i>Mixed Multiplicities of Filtrations</i>
3:30pm	Coffee Break
4:30pm	Shunsuke Takagi (University of Tokyo, Japan) <i>Vanishing theorems on globally F-regular varieties</i>
5:30pm	Break with Students
6:30pm	Reception with Poster Session – Jordan Hall of Science Galleria

Friday, June 21, 2019

9:00am	Continental Breakfast
10:00am	Srikanth Iyengar (University of Utah) <i>Modules with no higher self-Tors</i>
11:00am	Coffee Break
11:30am	Giulio Caviglia (Purdue University) <i>TBA</i>
12:30pm	Lunch Break
2:00pm	Trung Viet Ngo (Vietnam Academy of Science and Technology) <i>Depth functions of powers of homogeneous ideals</i>
3:00pm	Break with Students
3:30pm	Coffee Break