

# 29th Symposium on Commutative Algebra

– Schedule –

## November 19 (Mon.)

- 19:00–19:40 Craig Huneke (Univ. of Kansas), Mircea Mustața (Univ. of Michigan),  
Shunsuke Takagi (Kyushu Univ.), Kei-ichi Watanabe (Nihon Univ.)  
*F-thresholds, tight closure, integral closure and multiplicity bounds*
- 19:50–20:20 Naoki Terai (Saga Univ.), Ken-ichi Yoshida (Nagoya Univ.)  
*Stanley-Reisner ideals which are complete intersections locally*
- 20:30–21:00 Ken-ichiroh Kawasaki (Nara Univ. of Education)  
*Several results on finiteness properties of local cohomology modules  
over Cohen-Macaulay local rings*

## November 20 (Tue.)

- 9:00–9:50 Aldo Conca (Univ. of Genova)  
*Cohen-Macaulay property of graded rings associated to contracted  
ideals in dimension 2*
- 10:00–10:40 Nobuharu Onoda (Univ. of Fukui)  
*On codimension-one  $A^1$ -fibrations over Noetherian normal domains*
- 10:50–11:30 Mitsuhiro Miyazaki (Kyoto Univ. of Education)  
*Invariants of the unipotent radical of a Borel subgroup*
- Lunch Time—
- 13:30–14:00 Koji Nishida (Chiba Univ.)  
*An upper bound on the reduction number of an ideal*
- 14:10–14:40 Kazuho Ozeki (Meiji Univ.)  
*Sally modules of rank one*
- 15:00–15:30 Kyouko Kimura (Nagoya Univ.)  
*Analytic spread of squarefree monomial ideals*
- 15:40–16:10 Shiro Goto (Meiji Univ.), Satoru Kimura (Meiji Univ.),  
Naoyuki Matsuoka (Meiji Univ.),  
Tran Thi Phuong (Ton Duc Thang Univ.)  
*Quasi-socle ideals in local rings with Gorenstein tangent cones*
- 16:30–17:00 Futoshi Hayasaka (Meiji Univ.)  
*A family of graded modules associated to a module*
- 17:10–17:40 Shin-ichiro Iai (Hokkaido Univ. of education Sapporo)  
*The blowup algebras over rings with finite local cohomology*

—Dinner Time—

- 19:00–19:40 Ryo Takahashi (Shinshu Univ.)  
*Contravariantly finite resolving subcategories over a Gorenstein local ring*
- 19:50–20:20 Tadahito Harima (Hokkaido Univ. of Education),  
Akihito Wachi (Hokkaido Institute of Technology)  
*Generic initial ideals, graded Betti numbers and  $k$ -Lefschetz properties*
- 20:30–21:00 Hideaki Morita (Oyama Kosen), Akihito Wachi (Hokkaido Institute  
of Technology), Junzo Watanabe (Tokai Univ.)  
*The differential module of the polynomial ring with the action  
of the symmetric group*

**November 21 (Wed.)**

- 9:00–9:50 Aldo Conca (Univ. of Genova)  
*Koszul algebras and Gröbner bases of quadrics*
- 10:00–10:40 Kazuhiko Kurano (Meiji Univ.)  
*Symbolic Rees rings of space monomial curves in characteristic  $p$   
and existence of negative curves in characteristic 0*
- 10:50–11:30 Kohji Yanagawa (Kansai Univ.)  
*Linearity Defect and Regularity over a Koszul Algebra*
- Lunch Time—
- 13:40–14:10 Satoshi Murai (Osaka Univ.)  
*Gotzmann ideals of the polynomial ring*
- 14:20–14:50 Kei-ichiro Iima (Okayama Univ.), Yuji Yoshino (Okayama Univ.)  
*Gröbner basis for the polynomial ring with infinite variables and  
its applications*
- 15:10–15:40 Naoya Hiramatsu (Okayama Univ.), Yuji Yoshino (Okayama Univ.)  
*Geometric linkage of Cohen–Macaulay modules*
- 15:50–16:20 Saeed Naseh (IPM, Okayama Univ.), Yuji Yoshino (Okayama Univ.)  
*Ring extensions of  $AB$  rings*
- 16:40–17:10 Tokuji Araya (Nara Univ. of Education)  
*Auslander–Reiten conjecture on Gorenstein rings*
- 17:20–17:50 Kiriko Kato (Osaka Prefecture Univ.)  
*Quotient category of homotopy category*
- 19:00–21:00 style="text-align: center;">—Reception—

**November 22 (Thu.)**

9:00–9:40

Shigeru Kuroda (Tokyo Metropolitan Univ.)

*Shestakov-Umirbaev reductions and Nagata's conjecture  
on a polynomial automorphism*

9:50–10:30

Ryuji Tanimoto (Osaka Univ.)

*An algorithm for computing generators of  $\mathbb{G}_a$ -invariant*

10:50–11:20

Masahiro Ohtani (Nagoya Univ.)

*On  $G$ -local  $G$ -schemes*

11:30–12:00

Kei-ichi Watanabe (Nihon Univ.)

*Classification of 2-dimensional normal graded hypersurfaces with  $a(R) = 1$*