

第 44 回可換環論シンポジウムプログラム

11 月 22 日 (水曜日)

15:20–15:30 諸注意

15:30–16:10 高橋 亮 (名古屋大学)

Classifying resolving subcategories of derived categories

16:20–16:45 大竹 優也 (名古屋大学)

On Yoshino's stable complex theory

17:00–17:25 平松 直哉 (呉工業高等専門学校)

The spectrum of the category of maximal Cohen-Macaulay modules over complete Cohen-Macaulay local rings

17:35–18:00 長峰 孝典* (小山工業高等専門学校)

Gene Freudenburg (Western Michigan University)

Affine and Unirational unique factorial domains with unmixed gradings

11 月 23 日 (木曜日)

9:00–9:40 中村 力 (三重大学)

Govorov-Lazard type theorems and complete big Cohen-Macaulay modules

9:50–10:15 川崎 健 (東京都立大学)

On Small Cohen-Macaulay Conjecture for local rings such that $\text{depth} = \dim - 1$

10:35–11:00 Nguyen Dang Hop (Institute of Mathematics, VAST)

The Koszul property and free resolutions over g -stretched local rings

11:10–12:00 Bernd Ulrich (Purdue University)

Generalized Jouanolou duality, weakly Gorenstein rings, and the implicitization problem

[Lunch]

13:30–14:20 Jason McCullough (Iowa State University)

The Koszul property for algebras associated to matroids

14:35–15:00 寺井 直樹 (岡山大学)

2-Cohen-Macaulay Stanley-Reisner rings with codimension two

- 15:20–15:45 宮下 空 (大阪大学)
Comparing generalizations of Gorensteinness in semi-standard graded rings
- 15:55–16:20 若杉 直樹 (名古屋大学)
On the category of cofinite modules and local cohomology modules
- 16:30–16:55 三船 裕輝 (名古屋大学)
The divergence of radii of resolving subcategories
- 17:05–17:30 石塚 伶 (東京工業大学)
Ideal correspondence between a perfectoid ring and its tilt
- 19:00– [Banquet]

11 月 24 日 (金曜日)

- 9:00–9:40 吉田 健一* (日本大学), 奥間 智弘 (山形大学), 渡辺敬一 (日本大学・明治大学)
Gorenstein normal tangent cones
- 9:50–10:15 山口 樹 (東京大学)
 F -pure singularities in equal characteristic zero
- 10:35–11:00 原 和平 (Kavli IPMU)
Spherical object in dimension two and three
- 11:10–12:00 Ilya Smirnov (Basque Center for Applied Mathematics)
Recent progress in the theory of dual F -signature
- [Lunch]
- 13:30–14:00 来年度に関する話し合い
- 14:00–14:50 Doan Trung Cuong (Institute of Mathematics, VAST)
Defect function and flat descent
- 15:05–15:30 Hoang Le Truong (Institute of Mathematics, VAST, Nihon University)
Stable Ulrich bundles on cubic fourfolds
- 15:40–16:20 宮崎 誓 (熊本大学)
Castelnuovo-type bounds on the Castelnuovo-Mumford regularity and Horrocks-type theorems for vector bundles
- 16:35–17:00 埴原 紀宏 (Kavli IPMU)
Reflexive modules over Auslander-Gorenstein rings
- 17:10–17:50 伊山 修 (東京大学)
Tilting theory via g -fans in real Grothendieck groups

11月25日(土曜日)

- 9:00–9:40 宮崎 充弘 (京都教育大学)
Limit Frobenius complexity and toric face rings
- 9:50–10:15 東谷 章弘 (大阪大学)
Difference of Hilbert series of homogeneous affine semigroup ring and its normalization
- 10:35–11:00 Nayana Shibu Deepthi (大阪大学)
 h -vectors of edge rings of odd-cycle compositions
- 11:10–11:35 松下 光虹 (大阪大学)
Non-commutative crepant resolutions of a special family of stable set rings
- 11:45–12:10 毛利 健太 (関西学院大学)
Toric rings of perfectly matchable subgraph polytopes
- [Lunch]
- 14:00–14:25 木村 海渡 (名古屋大学)
Asymptotic Bass numbers over local rings
- 14:35–15:00 早坂 太 * (岡山大学), 今村青斗 (岡山大学)
An example to a question of Ratliff on asymptotic prime divisors
- 15:10–15:35 堀内 淳 * (日本工業大学), 下元 数馬 (東京工業大学)
Seminormality and graded rings
- 15:55–16:20 伊城 慎之介 (東京工業大学)
The divisor class group of a complete local log-regular ring
- 16:30–17:10 下元 数馬 (東京工業大学)
On p -adic deformation of cohomology theory and singularities

11月26日(日曜日)

- 9:00–9:25 小林 稔周 (明治大学)
Semidualizing modules over numerical semigroup rings
- 9:35–10:00 松井 紘樹 (徳島大学)
Characterization of local rings via reducing homological dimensions
- 10:10–10:50 橋本 光靖 (大阪公立大学)
FFRT property of the rings of invariants under the actions of finite groups

(共同講演については * が登壇者)