

Tilings, quasiperiodicity and related topics

Date: Monday, 15 October – Wednesday, 17 October, 2018

Place: RIMS Room 110, Kyoto University

Monday, 15 October 2018

13:30-14:20

Teruhisa Sugimoto (ISTA)

Convex Pentagons with Positive Heesch Number

14:30-15:30

Takuya Okabe (Shizuoka Univ)

Biology of phyllotaxis: What is the problem?

15:40-16:40

Takuya Okabe (Shizuoka Univ)

Mathematics, physics, and the law of phyllotaxis

Tuesday, 16 October 2018

9:10-10:00

Takamichi Sushida (Hokkaido Univ), Yoshikazu Yamagishi (Ryukoku Univ)

Phyllotactic Voronoi tilings on the generalized Archimedean spiral lattices

10:10-11:10

Jean-François Sadoc (Univ Paris-Sud)

Quasi-crystalline Frank-Kasper phases: from metal to micellar structures

11:20-12:10

Ikuro Sato (Miyagi Cancer Center), Jin Akiyama (Tokyo Univ of Science)

Geometry on liquid crystal display

13:30-14:20

Qinghui Liu (Beijing Institute of Technology)

Multifractal Analysis of a class of Moran Sets

14:30-15:30

Jean-François Sadoc (Univ Paris-Sud)

Phyllotaxis and Quasi-periodicity

15:40-16:30

Mark Loyola (Ateneo de Manila Univ)

Obtaining geometric polytopes from real representations of string C-groups from the icosahedral Coxeter series

16:30-16:50

Jonn Angel Aranas (Ateneo de Manila Univ)

Generating 3D realizations of string C-groups from the icosahedral Coxeter series

Wednesday, 17 October 2018

9:10-9:30

Kristan Liza (Ateneo de Manila Univ)

Semi-perfect colorings of isonemal fabrics by thick stripping

9:30-9:50

Mark Tomenes (Ateneo de Manila Univ)

Isotoxal tilings with congruent edge coronae

10:00-10:50

Ma. Louise Antonette N. De Las Peñas (Ateneo de Manila Univ)

New families of planar k -isocoronal tilings

11:00-11:50

Shigeki Akiyama (Tsukuba Univ)

On minimal convex polyhedra

Organizer: Yoshikazu Yamagishi
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