

Workshop on Surface Theory —UY60—

A conference in honor of Prof. Masaaki Umehara and Prof. Kotaro Yamada the occasion of their 60th birthday. March 4–7, 2022

Program

March 4 (Fri)

13:20–14:20

Shunsuke Ichiki (Tokyo Institute of Technology)
Transversality results and their applications

14:40–15:40

Shintaro Akamine (Nihon University)
Zero mean curvature surfaces with lightlike points

18:40–19:40

Udo Hertrich-Jeromin (TU Wien)
Geometric shape generation

March 5 (Sat)

10:50–11:50

Masatoshi Kokubu (Tokyo Denki University)
On flat fronts with symmetry

13:20–14:20

Hiroyasu Izeki (Keio University)
Boundary maps and harmonic maps from finitely generated groups into $CAT(0)$ spaces

14:40–15:40

Nobuhiro Honda (Tokyo Institute of Technology)
Segre quartic surfaces and compact minitwistor spaces with genus one

16:00–17:00

Seong-Deog Yang (Korea University)
On the spin transformation of surfaces in the subspaces of the Lorenz-Minkowski 4-space

17:20–18:20

Francisco Martin (University of Granada)
Translating solitons of the Mean Curvature Flow

March 6 (Sun)

9:30–10:30

Hiroshi Matsuzoe (Nagoya Institute of Technology)
Geometry of pre-contrast functions

10:50–11:50

Toshizumi Fukui (Saitama University)
What determines a curve in Minkowski 3-space? Toward a fundamental theorem for cuspidal edge

13:20–14:20

Osamu Kobayashi
On an endnote of “A profile of Prof. Masaaki Umehara and Prof. Kotaro Yamada’s achievements”

14:40–15:40

Kotaro Yamada (Tokyo Institute of Technology)
Cuspidal edges and paper foldings

16:00–17:00

Masaaki Umehara (Tokyo Institute of Technology)
Criteria of unextendability of the images of real analytic maps and their application for constant mean curvature one surfaces in de Sitter 3-space

17:10–17:40 Celebration

March 7 (Mon)

9:30–10:30

Yu Kawakami (Kanazawa University)
Recent advances in value distribution of the Gauss map of a complete minimal surface

10:50–11:50

Naoya Ando (Kumamoto University)
The lifts of the conformal Gauss maps of minimal surfaces in the Euclidean 3-space

Place Online (Zoom) / At Business Center Yokohama Station West Gate

Organizers Shoichi Fujimori (Hiroshima University), Atsufumi Honda (Yokohama National University), Kosuke Naokawa (Hiroshima Institute of Technology), Kentaro Saji (Kobe University)

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