

Japan-Austria Joint Workshop

Transformations and Singularities

19–23. February, 2016

Tokyo Institute of Technology, Tokyo

Venue:

Tokyo Tech Lecture Theatre (Auditorium W531 in the West Building 5.)
O-Okayama Campus, Tokyo Institute of Technology, Tokyo.

Access to the Campus: <http://www.titech.ac.jp/english/maps/>

Campus Map: <http://www.titech.ac.jp/english/maps/okayama/okayama.html>

The West Building 5 is located at “15” of this map.

Facilities of the Lecture Hall:

http://www2.gakumu.titech.ac.jp/kyoumu/lecture_theatre/index.html
in Japanese.

Schedule:

19. Feb. (Fri)	20. Feb. (Sat)	21. Feb. (Sun)	22. Feb. (Mon)	23. Feb. (Tue)
10:00 Registration	10:00	10:00	10:00	10:00
10:30 Suyama	Müller	Wallner	Kajiwara	Matsuura
11:30 Kawakami	11:00 Ando	11:00 Nitta	11:00 Branding	11:00 Kokubu
LUNCH	LUNCH	FREE	LUNCH	
	14:00 Teramoto		14:00 Honda	14:00 Naokawa
14:30 Carl	14:40 Szewieczek		tea	tea
15:10 Yasumoto	15:20 Akamine		15:00	15:00 Hertrich-
15:50 Fuchs	tea		Koiso	Jeromin
tea	16:30 Ogata			
17:00 Fujimori	17:10 Pember			
			18:00 BANQUET	

Organizers:

Yoshihiko Suyama (Fukuoka University)

Masaaki Umehara (Tokyo Institute of Technology)

Kotaro Yamada (Tokyo Institute of Technology)

Udo Hertrich-Jeromin (Technische Universität Wien)

Secretary: Akiko Takagi (Tokyo Institute of Technology; takagi.a.ad@m.titech.ac.jp)

Program:

19. February (Fri)

10:30–11:15

Yoshihiko SUYAMA (Fukuoka University)

Curvilinear coordinates on generic conformally flat hypersurfaces and constant curvature 2-metrics

11:30–12:15

Yu KAWAKAMI (Kanazawa University)

On the Gauss images for various classes of surfaces

14:30–15:00

Wolfgang CARL (Technische Universität Graz)

On the associated families of semidiscrete cmc surfaces

15:10–15:40

Masashi YASUMOTO (Kobe University)

Discrete timelike isothermic surfaces

15:50–16:20

Andreas FUCHS (Technische Universität Wien)

The Darboux transform of surfaces of revolution

17:00–17:30

Shoichi FUJIMORI (Okayama University)

Degenerate limits of periodic minimal surfaces

20. February (Sat)

10:00–10:45

Christian MÜLLER (Technische Universität Wien)

On conical discrete isothermic surfaces

11:00–11:45

Naoya ANDO (Kumamoto University)

Complex curves and sphere Schwarz maps

14:00–14:30

Keisuke TERAMOTO (Kobe University)

Parallel surfaces of wave fronts

14:40–15:10

Gudrun SZEWIECZEK (Technische Universität Wien)

Channel surfaces and triply orthogonal systems

15:20–15:50

Shintaro AKAMINE (Kyushu University)

Causal characters of zero mean curvature surfaces of Riemann-type in the Lorentz-Minkowski 3-space

16:30–17:00

Yuta OGATA (Kobe University)

Maximal Smyth-type surfaces in de Sitter 3-space

17:10–17:40

Mason PEMBER (Kobe University)

Lie sphere transformations and singularities on surfaces

21. February (Sun)

10:00–10:45

Johannes WALLNER (Technische Universität Graz)

Interactive modeling of curved-crease surfaces

11:00–11:45

Yasufumi NITTA (Tokyo Institute of Technology)

On strong K -stability of polarized algebraic manifolds

22. February (Mon)

10:00–10:45

Kenji KAJIWARA (Kyushu University)

Integrable deformations of discrete curves

11:00–11:45

Volker BRANDING (Technische Universität Wien)

Symmetry reduction of principal fibre bundles and applications in geometry and physics

14:00–14:30

Atsufumi HONDA (National Institute of Technology, Miyakonojo College)

Minimal Darboux transformations

15:00–15:45

Miyuki KOISO (Kyushu University)

Anisotropic surface energy and surfaces with edges

23. February (Tue)

10:00–10:45

Nozomu MATSUURA (Fukuoka University)

TBA

11:00–11:45

Masatoshi KOKUBU (Tokyo Denki University)

On analytic extension of maximal surfaces in Lorentz-Minkowski 3-space

14:00–14:30

Kosuke NAOKAWA (Kobe University)

Discrete developable Möbius strips

15:00–15:45

Udo HERTRICH-JEROMIN (Technische Universität Wien)

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- The Grant-in-Aid for Scientific Research (C) No. 26400087 (Kotaro Yamada) of JSPS.

Informations:

Lecture Hall:

- A projector and blackboards are available.
- Eating and drinking are strictly prohibited in the Lecture Hall. Please use the cafeteria near the lecture hall.

Tea breaks:

- Coffee and snacks will be served at the seminar room 230 (in the main building) on the tea breaks.

Banquet:

- The Banquet, celebrating the retirement of Prof. Suyama, is scheduled on

18:00 on 22nd. Feb. (Monday)

at Kuramae Kaikan (蔵前会館) in front of the O-Okakyama station.

- The price is
 - **6,500 Yen** for Faculty and Post Docs,
 - **4,000 Yen** for Students,

including a presnet for Prof. Suyama. Please pay at the reception desk.

Deadline is **14:00, 19th (Fri)**.

Excursion:

- There are no scientific activities on the afternoon of Sunday (21st).
- We plan to have a short tour to “Tokyo Sky Tree” <http://www.japan-guide.com/e/e3064.html> and “Asakusa” <http://www.japan-guide.com/e/e3004.html>, old down town of Tokyo.

The reservation of the Sky Tree (2,570 Yen) is required. Please **register** at the reception desk if you will join it. The deadline is **14:00, 19th (Fri)**.