

Japan-Austria Joint Workshop

## Transformations and Singularities

19–23. February, 2016

Tokyo Institute of Technology, Tokyo

### Venue:

**Tokyo Tech Lecture Theatre** (TLT; Auditorium W531)

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/ookayama/ookayama.html>

TLT is located at “21” of this map.

Facility of TLT:

[http://www2.gakumu.titech.ac.jp/kyoumu/lecture\\_theatre/index.html](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 <b>Suyama</b>	<b>Müller</b>	<b>Wallner</b>	<b>Kajiwara</b>	<b>Matsuura</b>
11:30 <b>Kawakami</b>	11:00 <b>Ando</b>	11:00 <b>Nitta</b>	11:00 <b>Branding</b>	11:00 <b>Kokubu</b>
<b>LUNCH</b>	<b>LUNCH</b>	<b>FREE</b>	<b>LUNCH</b>	
14:30 <b>Carl</b>	14:00 <b>Teramoto</b>		14:00 <b>Honda</b>	14:00 <b>Naokawa</b>
15:10 <b>Yasumoto</b>	14:40 <b>Szewieczek</b>			
15:50 <b>Fuchs</b>	15:20 <b>Akamine</b>		15:00 <b>Koiso</b>	15:00 <b>Hertrich-Jeromin</b>
	16:30 <b>Ogata</b>			
17:00 <b>Fujimori</b>	17:10 <b>Pember</b>			
			18:00 <b>BANQUET</b>	

### 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](mailto: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)

*TBA*

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)

*TBA*

11:00–11:45

**Naoya ANDO** (Kumamoto University)

*Complex curves and sphere Schwarz maps*

14:00–14:30

**Keisuke TERAMOTO** (Kobe University)

*TBA*

14:40–15:10

**Gudrun SZEWIECZEK** (Technische Universität Wien)

*TBA*

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)

*TBA*

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)

*TBA*

**22. February (Mon)**

10:00–10:45

**Kenji KAJIWARA** (Kyushu University)

*TBA*

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)

*Transformations and Singularities*