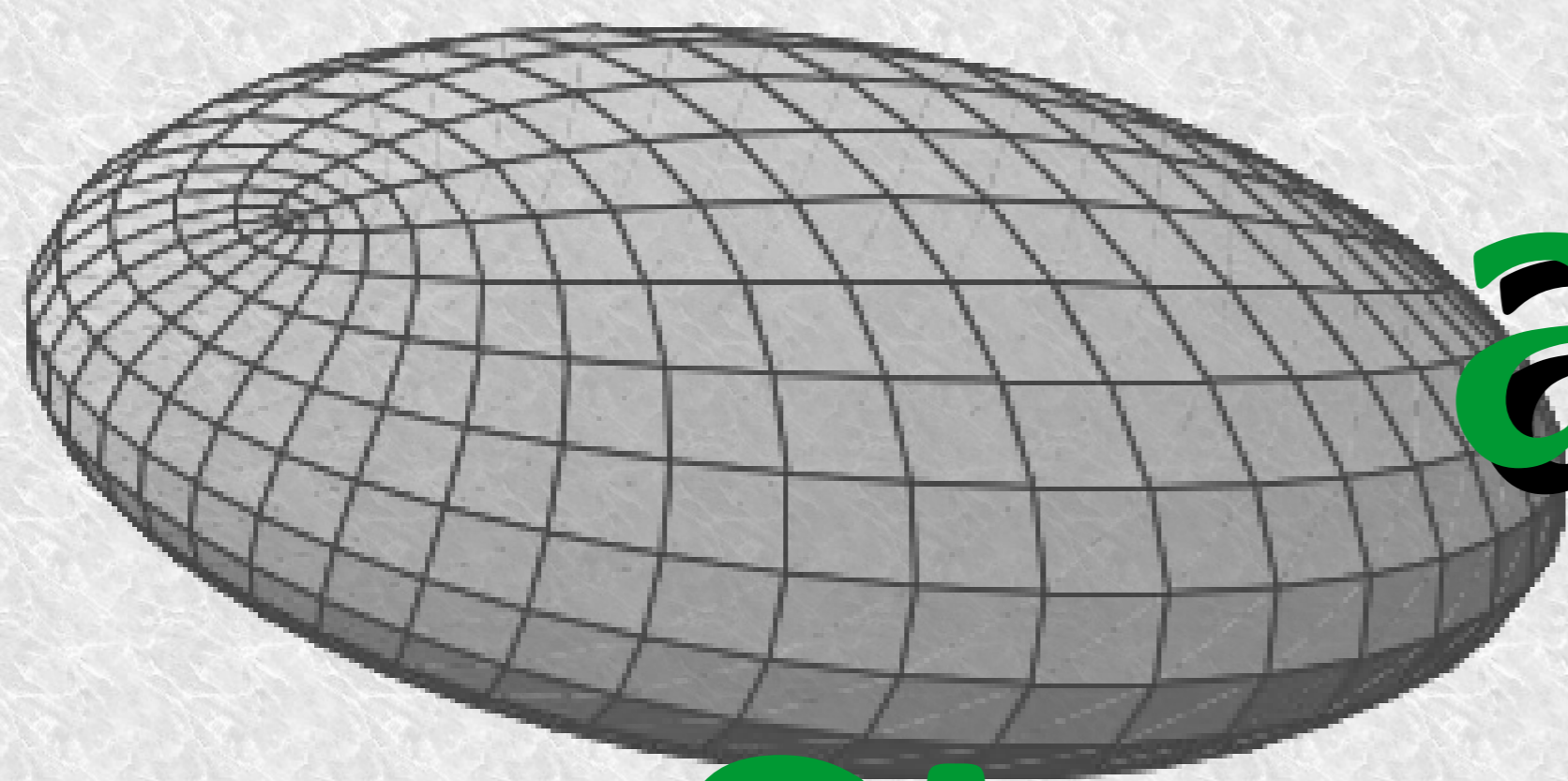


Japan-Austria Joint Workshop

Transformations



and

Singularities

19. Feb. (Fri) – 23. Feb. (Tue), 2016

Tokyo Tech Lecture Theatre

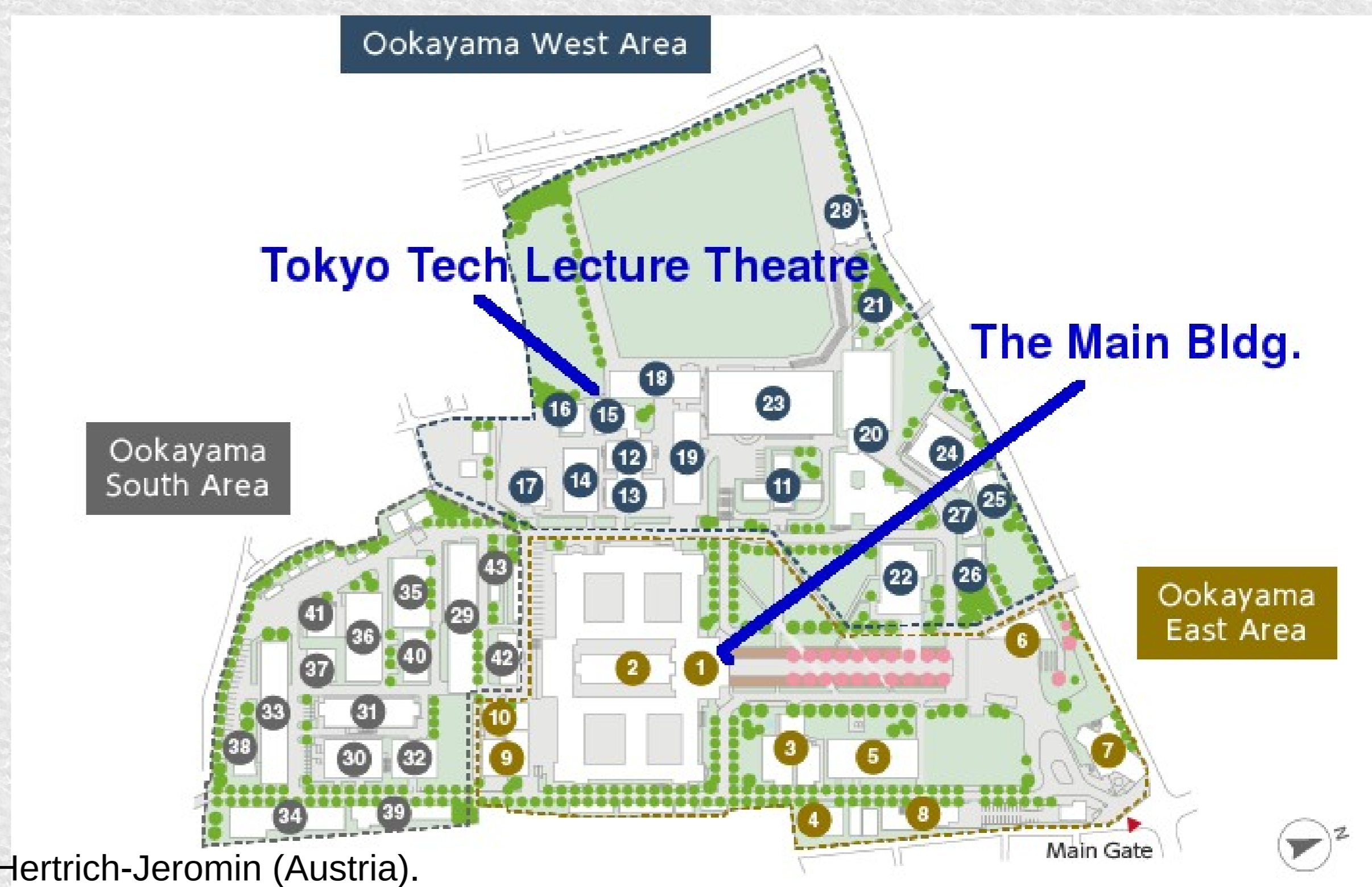
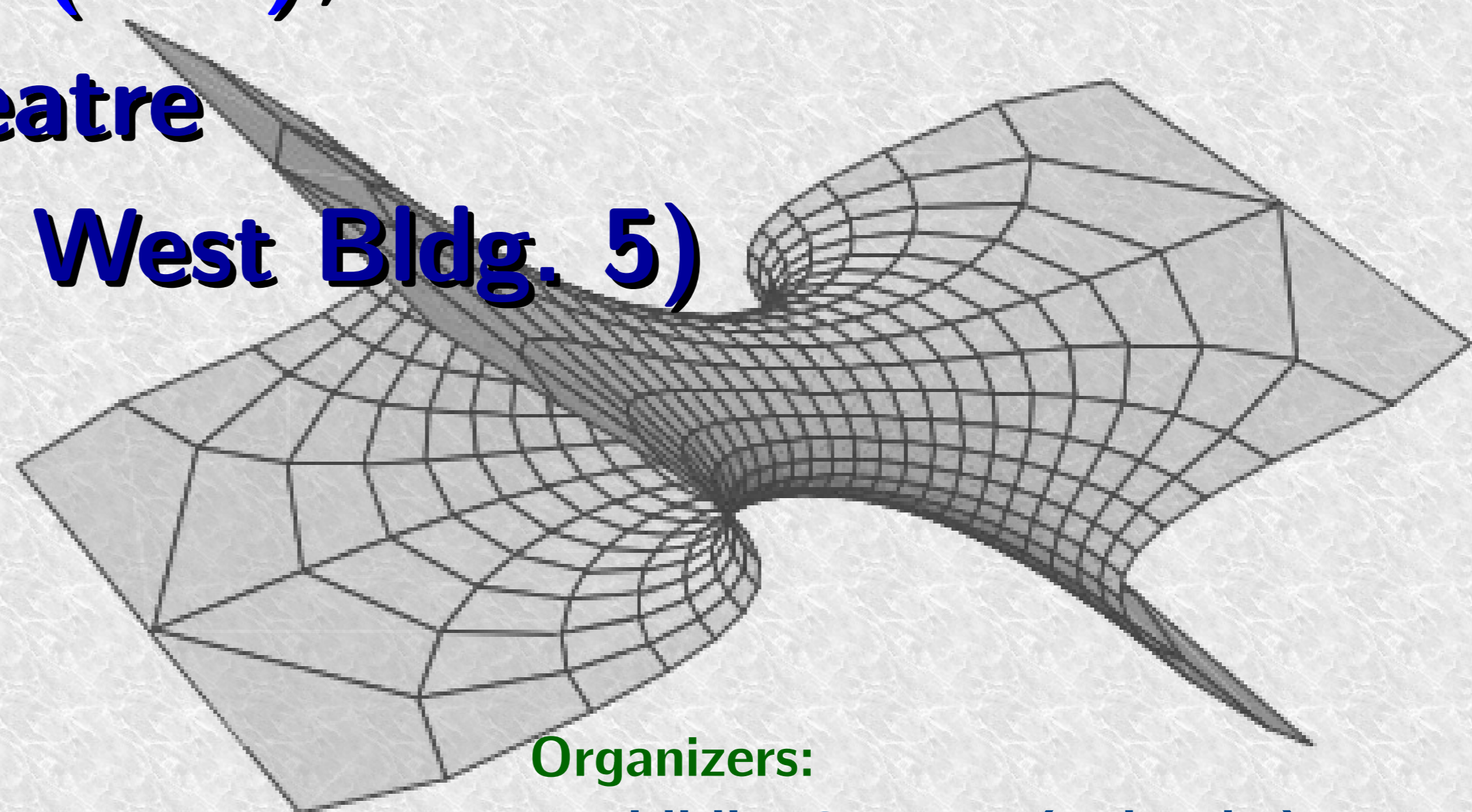
(Auditorium W531; the West Bldg. 5)

Speakers:

Shintaro Akamine (Kyushu)
Naoya Ando (Kumamoto)
Volker Branding (TU Wien)
Wolfgang Carl (TU Graz)
Andreas Fuchs (TU Wien)
Shoichi Fujimori (Okayama)
Udo Hertrich-Jeromin (TU Wien)
Atsufumi Honda (Miyakonojo NCT)
Kenji Kajiwara (Kyushu)
Yu Kawakami (Kanazawa)
Miyuki Koiso (Kyushu)
Masatoshi Kokubu (TDU)
Nozomu Matsuura (Fukuoka)
Christian Müller (TU Wien)
Kosuke Naokawa (Kobe)
Yasufumi Nitta (Tokyo Tech)
Yuta Ogata (Kobe)
Mason Pember (Kobe)
Yoshihiko Suyama (Fukuoka)
Gudrun Szwieczek (TU Wien)
Keisuke Teramoto (Kobe)
Johannes Wallner (TU Graz)
Masashi Yasumoto (Kobe)

Organizers:

Yoshihiko Suyama (Fukuoka)
Masaaki Umehara (Tokyo Tech)
Kotaro Yamada (Tokyo Tech)
Udo Hertrich-Jeromin (TU Wien)



Supported by:

Joint Project between Japan (JSPS) and Austria (FWF);

Project Leaders: Yoshihiko Suyama (Japan) and Udo Hertrich-Jeromin (Austria).

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

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)

Transformations and Singularities

Acknowledgments:

This workshop is supported by

- Joint Project between Japan (JSPS) and Austria (FWF); Project Leaders: Yoshihiko Suyama (Japan) and Udo Hertrich-Jeromin (Austria).
- The Grant-in-Aid for Scientific Research (A) No. 262457005 (Masaaki Umehara) of JSPS.
- 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.