

- Collaborative works are presented by the underlined authors. The talks with \* mark are presented through document camera, while  $\flat$  marks denote presentations on whiteboards. The speakers with  $\star$  marks are professors emeriti.

## Geometry

September 25th (Thu) Conference Room III

### 9:40–12:00

- 03-01-0006  
1 Hirotaka Ebisui (Oval Research Center) About theorem in an-Desargues-system (ADE Theorem) ..... 15
- 03-01-0033  
2 Akitoshi Kawamura (Univ. of Tokyo) Weight balancing on boundaries and skeletons ..... 15  
Yoshio Okamoto  
(Univ. of Electro-Comm.)  
Takeshi Tokuyama (Tohoku Univ.)
- 03-01-0012  
3 Shuzo Izumi (Kinki Univ.) Sufficiency of simplex inequalities ..... 10
- 03-01-0014  
4 Shiho Ogata (Fukuoka Univ.) Gap theorems of complete  $\lambda$ -hypersurfaces ..... 10
- 03-01-0016  
5 Makoto Sakaki (Hirosaki Univ.)\* Surfaces with mean curvature vector of constant length in product spaces ..... 10
- 03-01-0022  
6 Hiroshi Iriyeh (Tokyo Denki Univ.)\* On Hamiltonian stable Lagrangian tori which are not Hamiltonian  
Hajime Ono (Saitama Univ.) volume minimizing ..... 15
- 03-01-0030  
7 Norio Ejiri (Meijo Univ.) Limits of triply periodic minimal surfaces ..... 15  
Shoichi Fujimori (Okayama Univ.)  
Toshihiro Shoda (Saga Univ.)
- 03-01-0005  
8 Naoyuki Koike (Tokyo Univ. of Sci.) A holonomy invariant anisotropic surface energy functional ..... 15
- 03-01-0007  
9 Norihito Koiso (Osaka Univ.) $\flat$  Bi-harmonic submanifold ..... 15  
Hajime Urakawa (Tohoku Univ.)

### 14:15–16:10

- 03-01-0026  
10 Yusuke Masatani (Nagoya Univ.) On unbounded diameter of the space of Lagrangian submanifolds in bi-disks ..... 15
- 03-01-0015  
11 Mitsuhiro Imada (Keio Univ.) On complex almost contact metric structures on complex hypersurfaces of  $\mathbf{C}^{2n}$  ..... 10
- 03-01-0029  
12 Isami Koga (Kyushu Univ.)\* Classification of some submanifolds of the complex Grassmannian manifold ..... 10
- 03-01-0003  
13 Sadahiro Maeda (Saga Univ.)\* Naturally reductive homogeneous real hypersurfaces in a nonflat complex space form ..... 15  
Hiroshi Tamaru (Hiroshima Univ.)
- 03-01-0021  
14 Kazumi Tsukada (Ochanomizu Univ.) Totally complex submanifolds of a complex Grassmann manifold of 2-planes ..... 15
- 03-01-0028  
15 Hiroshi Iriyeh (Tokyo Denki Univ.) On the structure of the intersection of quaternionic flag manifolds in a complex flag manifold ..... 10  
Takashi Sakai (Tokyo Metro. Univ.)  
Hiroyuki Tasaki (Univ. of Tsukuba)
- 03-01-0010  
16 Hiroyuki Tasaki (Univ. of Tsukuba) Sequences and estimates of antipodal subsets ..... 10

- [03-01-0018](#)  
17 Kazuyoshi Kiyohara (Okayama Univ.)\* The conjugate locus on ellipsoid and  $D_4^+$  Lagrangean singularity ..... 15  
Jin-ichi Itoh (Kumamoto Univ.)

**16:30–17:30 Talk invited by Geometry Section**

- [03-02-0002](#)  
Osamu Ikawa (Kyoto Inst. Tech.)\* Foundations and applications of symmetric triads

September 26th (Fri) Conference Room III

**10:30–10:45 Presentation Ceremony for MSJ Geometry Prize 2014****10:50–11:50 Award Lecture for 2014 Geometry Prize**

- [03-02-0003](#)  
Goto Ryushi (Osaka Univ.) Kuranishi's masterpieces and their developments in deformation theory  
Miyajima Kimio (Kagoshima Univ.)\* and CR-geometry

**13:15–14:15 Talk invited by Geometry Section**

- [03-02-0004](#)  
Takumi Yokota (Kyoto Univ.) Convex functions and barycenter on CAT(1)-spaces of small radii

September 27th (Sat) Conference Room III

**9:40–12:00**

- [03-01-0032](#)  
18 Kazuhiro Okumura Real hypersurfaces admitting  $\phi$ -invariant Ricci tensors in a nonflat complex space form ..... 10  
(Asahikawa Nat. Coll. of Tech.)
- [03-01-0020](#)  
19 Dounnu Sasaki (Waseda Univ.) An intersection functional on the space of subset currents on a free group ..... 15
- [03-01-0023](#)  
20 Oliver Goertsches (Univ. Hamburg) On localization of Chern–Simons type invariants of Riemannian foliations ..... 15  
Hiraku Nozawa (Ritsumeikan Univ.)  
Dirk Töben  
(Federal Univ. of São Carlos)
- [03-01-0024](#)  
21 Tomoyo Kanazawa An  $S^1$ -reduction of non-formal star product ..... 10  
(Tokyo Univ. of Sci.)  
Akira Yoshioka (Tokyo Univ. of Sci.)
- [03-01-0025](#)  
22 Daisuke Tarama (Kyoto Univ.) Stability analysis for the free rigid body dynamics on  $U(n)$  ..... 15
- [03-01-0027](#)  
23 Masaya Kawamura A priori estimates for the Monge–Ampère equation related to supersymmetry and Gauduchon conjecture ..... 15  
(Tokyo Metro. Univ.)
- [03-01-0004](#)  
24 Yasushi Homma (Waseda Univ.) Twisted Dirac operators and generalized gradients ..... 15
- [03-01-0034](#)  
25 Kenta Tottori (Tohoku Univ.)\* Calabi's gradient metric on the space of Kähler metrics ..... 10
- [03-01-0031](#)  
26 Shin Nayatani (Nagoya Univ.) Rumin–Bochner formula for 1-forms on a CR manifold ..... 15
- 14:15–16:00**
- [03-01-0017](#)  
27 Ryosuke Takahashi (Nagoya Univ.) Modified Kähler–Ricci flow on projective bundles ..... 15
- [03-01-0002](#)  
28 Homare Tadano (Osaka Univ.) A lower diameter bound for closed domain manifolds of shrinking Ricci-harmonic solitons ..... 15
- [03-01-0008](#)  
29 Yohei Sakurai (Univ. of Tsukuba) Rigidity of manifolds with boundary under a lower Ricci curvature bound ..... 15

## 3 Geometry

- [03-01-0011](#)  
 30 Tsukasa Takeuchi (Tokyo Univ. of Sci.) Integrability in the geodesic flow for the Berger metric ..... 10
- [03-01-0013](#)  
 31 Yu Kitabeppu (Kyoto Univ.) A finite generation of the fundamental groups on metric measure spaces  
 Sajjad Lakzian (HCM) with small linear diameter growth ..... 10
- [03-01-0036](#)  
 32 Junichi Mukuno (Nagoya Univ.)\* On the fundamental group of a complete globally hyperbolic Lorentzian  
 manifold with a lower bound for the curvature tensor ..... 10
- [03-01-0035](#)  
 33 Hideki Miyachi (Osaka Univ.)\* Rigidity of a coarsification of isometries on Teichmuller space ..... 15

**16:15–17:15 Talk invited by Geometry Section**

- [03-02-0001](#)  
 Shin-ichi Oguni (Ehime Univ.)\* The coarse Baum–Connes conjecture and coarse algebraic topology