


PACIFIC GRAPHICS 2016 Satellite Workshop
GEMS 2016: Geometry and Materials Sciences
 OCT. 15 - 17 OIST Campus
 **OKINAWA**

GEMS: Talks Schedule

OIST Conference Center

Day1 (Saturday, 15 October)

Time	GEMS Talks
08:30	Taxi from the accommodation
09:00–09:20	Opening Remarks by Dr. Mary Collins, Dean of Research, OIST
09:30–10:00	Talk-1: Chandrajit Bajaj “Geometric Optimization for Material Sciences”
10:05–10:35	Talk-2: Paul Hildebrandt “Five Easy Dimensions”
10:35–10:55	Coffee Break
10:55–11:25	Talk-3: Giulio Giusteri “The shapes of a rod are traced in a Lie algebra”
11:30–12:00	Talk-4: Ken Anjyo “Geometry, texture and visual perception in computer graphics modeling”
12:00–13:00	Lunch
13:00–14:30	Campus Tour
14:30–14:40	Short Break
14:40–15:10	Talk-5: Johannes Schoenke “Multi trajectory expansion for the constraint motion of mechanisms”

15:15–15:45	Talk-6: Gershon Elber “Volumetric Representations (V-reps): Geometric Modeling of the Inside”
15:45–16:05	Coffee Break
16:05–16:35	Talk-7: Eitan Grinspun “Reflections on Simultaneous Impact”
16:40–17:10	Talk-8: Chris Wojtan “Computing Fracture Surface Patterns”
18:00–20:00	Dinner

Day2 (Sunday, 16 October)

Time	GEMS Talks
08:30	Taxi from the accommodation
09:00–09:30	Talk-9: Helmut Pottmann “Interactive Modeling of Developable Surfaces”
09:35–10:05	Talk-10: Hisashi Naito “Carbon Structures and Trivalent Discrete Surfaces”
10:05–10:25	Coffee Break
10:25–10:55	Talk-11: Wayne Rossman “From discrete surface theory to architecture and back”
11:00–11:30	Talk-12: Thomas Grandine “Modeling Laminated Surfaces with Spline Convolution”
11:35–12:05	Talk-13: Leif Kobbelt “Shape Optimization for Digital Fabrication”
12:05–18:00	Lunch & Excursion
18:30–20:00	Dinner (Banquet)

Evening Session (Sunday, 16 October)

20:00–20:30	Talk-14: Jemal Guven “Stress focusing in cones”
20:35–21:05	Talk-15: Konrad Polthier “Covering and Uncovering Surfaces”

Day3 (Monday, 17 October)

Time	GEMS Talks
08:30	Taxi from the accommodation
09:00–09:30	Talk-16: Ergun Akleman “Adventures with Topological Mesh Modeling”
09:35–10:05	Talk-17: Motoko Kotani “A mathematical challenge to materials”
10:05–10:25	Coffee Break
10:25–10:55	Talk-18: Douglas Holmes “Swelling and Growth of Thin Structures”
11:00–11:30	Talk-19: Anurag Gupta “Mechanics and Geometry of Structured Surfaces with a Continuous”
11:35–12:05	Talk-20: Shizuo Kaji “Designing Transformations with Simple Ingredients”
12:05–13:05	Lunch
13:05–13:35	Talk-21: Chun-Chi Lin “On the Dirichlet-Euler Problem”
13:40–14:10	Talk-22: James Hanna “Pick-up and impact of flexible objects”
14:10–14:30	Coffee Break
14:30–15:00	Talk-23 Prof. Rinus Roelofs “Mathematics and Art”



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15:00-17:00	Sculpture Event: "Mathematics and Art" by Prof. Rinus Roelofs
17:00-17:15	Coffee Break
17:15-18:00	Research Discussion
18:00-18:15	Closing
18:30-20:30	Dinner