

Index Theory and Complex Geometry: Conference on Complex Analysis and Geometry (16–20 August 2021)



ORGANIZING COMMITTEE

Tien Cuong Dinh

National University of Singapore, Singapore

Fei Han

National University of Singapore, Singapore

Xiaonan Ma

Université Paris Diderot - Paris 7, France

Mathai Varghese

University of Adelaide, Australia

*[Registration](#) is required for this program.

Venue

Virtual: The details and link will be sent to you before the program commences after registration has been processed.



For more information: [Click here](#)

Index Theory and Complex Geometry

Conference on Complex Analysis and Geometry

(16–20 August 2021)

All times are indicated in GMT+0.

For more time zones conversion: [Click Here](#)

GMT Time Reference								
GMT+0	GMT-4	GMT+1	GMT+2	GMT+3	GMT+5.30	GMT+7	GMT+8	GMT+9
Greenwich Mean Time	Canada New York	UK	Germany France Poland Norway	Moscow	India	Vietnam	Singapore China Taiwan Hongkong	Japan Korea
0800	0400	0900	1000	1100	1330	1500	1600	1700
0900	0500	1000	1100	1200	1430	1600	1700	1800
1200	0800	1300	1400	1500	1730	1900	2000	2100
1300	0900	1400	1500	1600	1830	2000	2100	2200

Monday, 16 August 2021		
Time (GMT +0)	Title	Speaker
Session Chair: Xiaonan Ma (Université Paris Diderot - Paris 7, France)		
0800–0900	On the singularities of the Bergman projections for lower energy forms on complex manifolds with boundary	George Marinescu University of Cologne, Germany
0900–1000	Dynamical aspects of holomorphic foliations with ample normal bundle	Judith Brinkschulte University of Leipzig, Germany
1000–1200	Break	
Session Chair: George Marinescu (University of Cologne, Germany)		
1200–1300	Siu's lemma: generalizations and applications	Xiangyu Zhou Academy of Mathematics and Systems Science, China
1300–1400	Obstruction flat rigidity of the standard CR 3-sphere	Peter Ebenfelt University of California San Diego, USA

Tuesday, 17 August 2021		
Time (GMT +0)	Title	Speaker
Session Chair: Junjiro Noguchi (The University of Tokyo, Japan)		
0800–0900	Parabolic bifurcation loci in the dynamical moduli spaces of rational functions	Yûsuke Okuyama Kyoto Institute of Technology, Japan
0900–1000	Higher bifurcations for polynomial skew products	Fabrizio Bianchi University of Lille, France
1000–1200	Break	
Session Chair: Laurent Stolovitch (Université Côte d'Azur, France)		
1200–1300	Effective Kohn algorithm for holomorphic subelliptic multipliers	Sung Yeon Kim Institute for Basic Science, Korea
1300–1400	Bergman-Einstein metric over a normal Stein space with a compact strongly pseudo-convex boundary	Xiaojun Huang Rutgers University, USA
Wednesday, 18 August 2021		
Time (GMT +0)	Title	Speaker
Session Chair: Takeo Ohsawa (Nagoya University, Japan)		
0800–0900	A geometric flow for Type IIA superstrings	Teng Fei Rutgers University - Newark, USA
0900–1000	Positive plurisubharmonic currents: Generalized Lelong numbers and Tangent theorems	Viet-Anh Nguyen University of Lille, France
1000–1200	Break	
Session Chair: Fei Han (National University of Singapore, Singapore)		
1200–1300	Solving equations with Hodge theory	Kefeng Liu University of California, Los Angeles, USA
1300–1400	The Chern-Ricci flow	Ben Weinkove Northwestern University, USA

Thursday, 19 August 2021		
Time (GMT +0)	Title	Speaker
Session Chair: Wanke Yin (Wuhan University, China)		
0800–0900	Finite jet determination of CR maps of positive codimension	Nordine Mir Texas A&M University, Qatar
0900–1000	Geometry of hyperbolic Cauchy-Riemann singularities and KAM-like theory for holomorphic involutions	Laurent Stolovitch Université Côte d'Azur, France
1000–1200	Break	
Session Chair: Xiaojun Huang (Rutgers University, USA)		
1200–1300	Geometric quantization on CR manifolds	Chin-Yu Hsiao Institute of Mathematics, Academia Sinica, Taiwan
1300–1400	Nevanlinna hyperbolicity for complex manifolds	Min Ru University of Houston, USA

Friday, 20 August 2021		
Time (GMT +0)	Title	Speaker
Session Chair: Masanori Adachi (Shizuoka University, Japan)		
0800–0900	Minimal rational curves and 1-flat irreducible G-structures	Jun-Muk Hwang Institute for Basic Science, Korea
0900–1000	Some aspects of real form problem of a smooth complex projective variety	Keiji Oguiso The University of Tokyo, Japan

For abstracts: [Click here](#)

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