

**String and M-Theory:
The New Geometry of the 21st Century – II**

Lectures on sub-themes
(22–26 November 2021)



*[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.



ORGANIZING COMMITTEE

Co-Chairs

Meng-Chwan Tan

National University of Singapore, Singapore

Fei Han

National University of Singapore, Singapore

Members

Neil Lambert

King's College London, UK

Christian Saemann

Heriot-Watt University, UK

Hisham Sati

New York University, UAE

Mathai Varghese

The University of Adelaide, Australia

Edward Witten

Institute for Advanced Study, USA

Shing-Tung Yau

Harvard University, USA

For more information: [Click here](#)

Lectures on sub-themes

(22–26 November 2021)

Time UK (GMT+0)	USA (GMT-5)	Switzer- land (GMT+1)	Turkey (GMT+3)	UAE (GMT+4)	India (GMT +5:30)	China Singapore Philippines (GMT+8)	Japan (GMT+9)	Australia (GMT+11)
1200	0700	1300	1500	1600	1730	2000	2100	2300
1400	0900	1500	1700	1800	1930	2200	2300	0100(+1)

All times are indicated in **GMT+0**.

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

Monday, 22 November 2021		
Time (GMT +0)	Title	Speaker
1200–1340	Hypothesis H and the (Co)homotopy approach to M-theory and string theory	Hisham Sati New York University Abu Dhabi, United Arab Emirates
1340–1400	Group Photo & Break	
1400–1540	Update on actions and path integrals for the (2,0) theory	Neil Lambert King's College London, UK
Tuesday, 23 November 2021		
Time (GMT +0)	Title	Speaker
1200–1340	Universes as bigdata: from geometry, to physics, to machine-learning	Yang-Hui He London Institute, Royal Institution, UK
1340–1400	Break	
1400–1540	An introduction to decomposition	Eric Sharpe Virginia Tech, USA

Wednesday, 24 November 2021		
Time (GMT +0)	Title	Speaker
1200–1340	Resurgence, quantum topology and strings	Marcos Marino University of Geneva, Switzerland

Thursday, 25 November 2021		
Time (GMT +0)	Title	Speaker
1200–1340	Adjusted higher gauge theory and applications in physics	Christian Saemann Heriot-Watt University, UK
1340–1400	Group Photo & Break	
1400–1540	D-instanton amplitudes in string theory	Ashoke Sen Harish-Chandra Research Institute, Prayagraj, India

Friday, 26 November 2021		
Time (GMT +0)	Title	Session Chair
1200–1230	Free Discussion: The mathematics of M-theory	Hisham Sati New York University, UAE
1230–1300	Free Discussion: The physics of M-branes	Neil Lambert King's College London, UK
1300–1330	Free Discussion: Higher symmetries in string theory	Christian Saemann Heriot-Watt University, UK
1330–1400	Free Discussion: String mathematics	Meng-Chwan Tan National University of Singapore, Singapore
1400–1430	Free Discussion: Machine learning in string theory	Yang-Hui He London Institute, Royal Institution, UK

For abstracts: [Click here](#)