Online International Cooperation in Mathematics: Challenges and Opportunities for Developing Countries.

# Fostering Mathematics in a pandemic situation

by EDY TRI BASKORO

Institut Teknologi Bandung, Indonesia



Tuesday, 12 July 2022







# COMBINATORICS TODAY SERIES 2021

This series aims to discuss the latest developments and advances in the field of combinatorics and graph theory, presented by world–renowned researchers. This series is organized fortnightly by the Combinatorial Mathematics Research Group, Faculty of Mathematics and Natural Sciences, Institut Teknologi Bandung, Indonesia. Students, lecturers and researchers in the fields of combinatorics, mathematics in general and others are welcome to attend this series.



SHARIEFUDDIN PIRZADA Professor University of Kashmir Srinagar India





ORIOL SERRA
Professor
Universitat Politecnica
de Catalunya

Barcelona, Spain

August 10<sup>th</sup>, 2021 15.00—16.30



IAN WANLESS Professor Monash University Australia

August 24<sup>th</sup>, 2021 14.00—15.30



AKIRA SAITO

Professor Nihon University

September 10<sup>th</sup>, 2021 14.00—15.30 (Western Indonesia Time)



CHERYL PRAEGER

Professor The University of Western Australia, Australia

September 24<sup>th</sup>, 2021 13.30—15.00



CHIE NARA Professor

Tokai University and
Meiji University, Japan.

October 8<sup>th</sup>, 2021 14.00—15.30



PETER CAMERON

Professor University of St Andrews, United Kingdom

October 22<sup>nd</sup>, 2021 15.00—16.30 (Western Indonesia Time)



MARTIN GROHE

MARTIN GROHEProfessor RWTH AACHEN University

November 19<sup>th</sup>, 2021 14.00—15.30



TOM KELLY

University of Birmingham United Kingdom

November 26<sup>th</sup>, 2021 15.00—16.30



CATHERINE GREENHILL

Professor University of New South Wales Australia

December 10<sup>th</sup>, 2021 14.00—15.30 (Western Indonesia Time)



HOSTED BY:
Professor
Edv Tri Baskoro

#### REGISTRATION

https://bit.ly/CombToday-Reg

WEBSITE

https://s.id/CTS2021

#### ITB

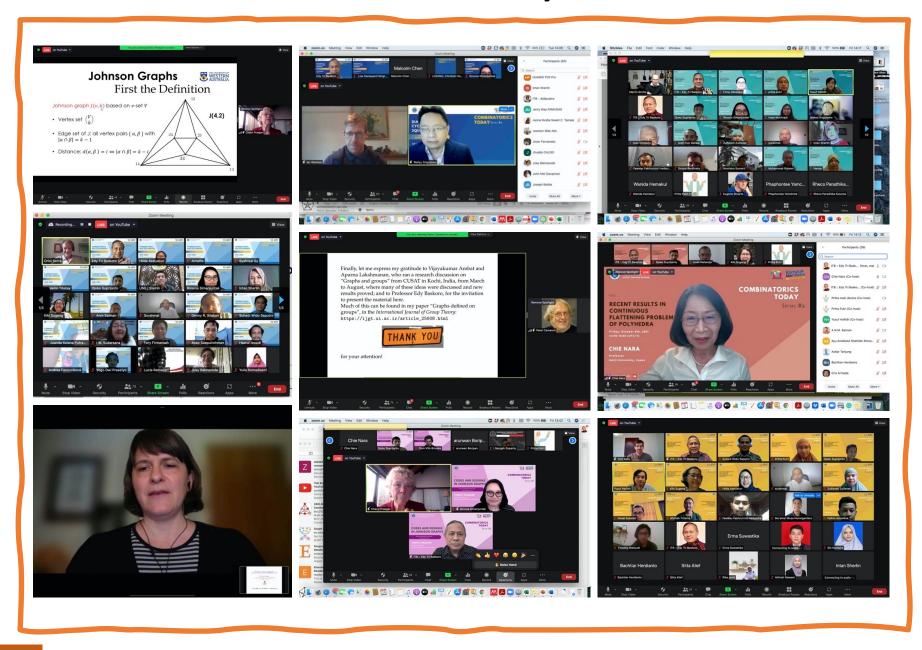
#### Institut Teknologi Bandung

This series aims to discuss the latest developments and advances in the field of combinatorics and graph theory, presented by world—renowned researchers.

Organized by:
the Combinatorial
Mathematics Research
Group, Faculty of
Mathematics and Natural
Sciences, Institut
Teknologi Bandung,
Indonesia.



### **ITB Combinatorics Today Series 2021**



### **ITB** Institut Teknologi Bandung

#### **Combinatorics Today Series** 2022

Camino Balbuena, Nobuaki Obata, Xueling Li, Hao Huang, Eichii Bannai, Brendan McKay, Mieczyslaw Borowiecki, Linda Lesniak, Akihiro Munemasa, Nicholas Wormald, Edy Tri Baskoro, Sang-il Oum, Nicolas Trotignon, Csilla Bujtas

#### **Combinatorics Today** Series





This series aims to discuss the latest developments and advances in the field of combinatorics and graph theory, presented by world-renowned researchers. This series is organized by the Combinatorial Mathematics Research Group, Faculty of Mathematics and Natural Sciences, Institut Teknologi Bandung, in-cooperation with the Research Institute for Graph Theory and Combinatorics, Indonesia. Students, lecturers and researchers in the fields of combinatorics, graph theory, mathematics in general and others are welcome to attend this series.



Professor Camino Balbuena Friday, January 28th 2022







Professor Nobuaki Obata

14:00 - 15:30



Professor Xueliang Li Nankai University, Tianjin, China

14:00 - 15:30 (Western Indonesia Time, UTC +7)



Associate Professor Hao Huang
National University of Singapore Saturday, April 23rd 2022

14:00 - 15:30



Professor Eiichi Bannai Friday, June 24th 2022

14:00 - 15:30



**Professor** Brendan McKay Friday, July 22nd 2022

14:00 - 15:30



Professor Mieczysław Borowiecki Zielona Gora, Poland

14:00 - 15:30



Professor Linda Lesniak

19:00 - 20:30 0



Professor Akihiro Munemasa



Professor Nicholas Wormald

Friday, October 14th 2022

14:00 - 15:30 (Western Indonesia Time, UTC +7)



Professor Edy Tri Baskoro Institut Teknologi Bandung, Indonesia Friday, October 28th 2022

14:00 - 15:30



Professor Sang-il Oum r Basic Science & KAIST,

riday, November 11th 2022 14:00 - 15:30



**Professor** Nicolas Trotignon CNRS, LIP, ENS de Lyon, Fran

14:00 - 15:30 (Western Indonesia Time, UTC +7)



Professor Csilla Bujtás University of Ljubljana, Ljubljana, Slovenia

Friday, December 16th 2022

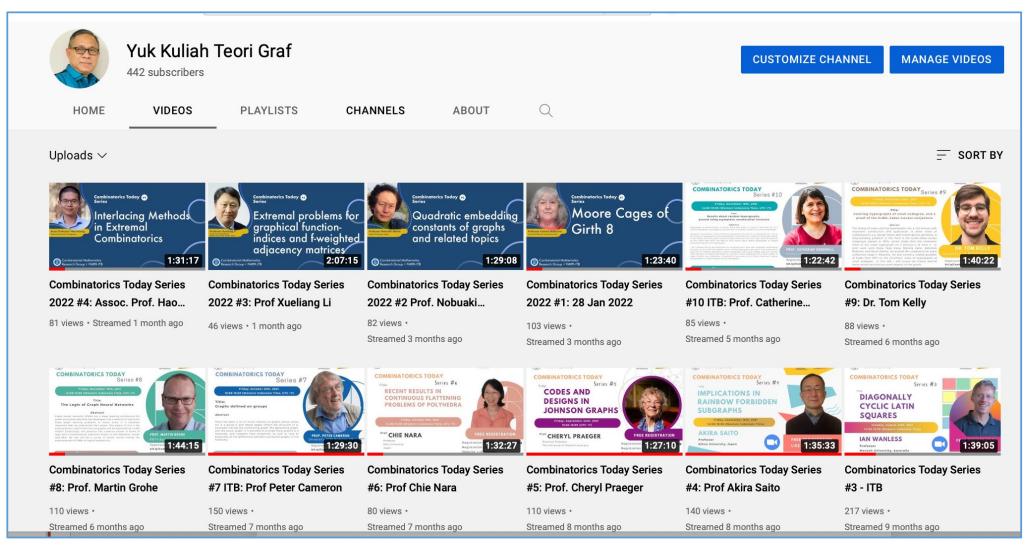
14:00 - 15:30 (Western Indonesia Time, UTC +7)



The former speakers in this series: Profs Shariefuddin Pirzada (India), Oriol Serra (Spain), Ian Wanless (Australia), Akira Saito (Japan), Cheryl Praeger (Australia), Chie Nara (Japan), Peter Cameron (United Kingdom), Martin Grohe (Germany), Tom Kelly (United Kingdom), Catherine Greenhill (Australia)



#### All Combinatorics Today Series' videos are available here

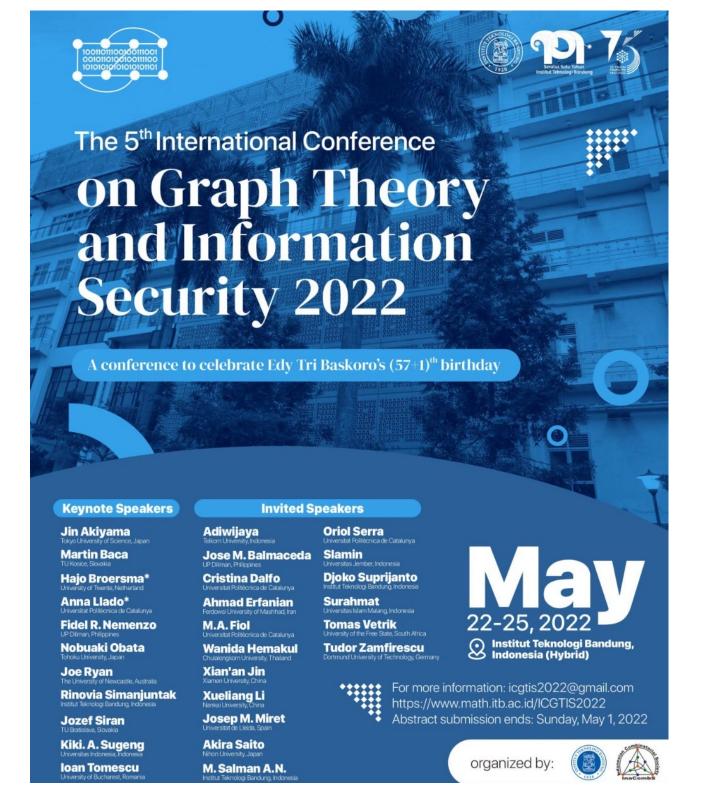


https://www.youtube.com/channel/UC19IVvz3F1LEc72969InI8w/featured



The 5<sup>th</sup> International Conference on Graph Theory and Information Security 2022

- Organized by:
- Indonesian Combinatorial Society (InaCombS)



#### **Mathematics Distinguished Lecture Series 2021**





**Institut Teknologi Bandung** 

We aim to bring leading mathematicians to explore the role of mathematics from various fields in an engaging style. These distinguished lectures are aimed at a fairly wide audience, from mathematics students (advanced undergraduate and postgraduate), to mathematicians, lecturers, scientists, researchers and engineers. With this series of lectures we hope to foster and promote a culture of doing mathematics, as well as highlight the important role of mathematics in shaping the society of tomorrow.

We aim to bring leading mathematicians to explore the role of mathematics from various fields in an engaging style.

These distinguished lectures are aimed at a fairly wide audience, from mathematics students (advanced undergraduate and postgraduate), to mathematicians, lecturers, scientists, researchers and engineers.

With this series of lectures we hope to foster and promote research culture in mathematics as well as highlight the important role of mathematics in shaping the society of tomorrow.



#### **Professor** MOTOKO KOTANI

Tohoku University, Japan

Director of Advanced Institute for Materials Research, Tohoku University 2012-2019 Executive Vice President for Research, Tohoku University, Japan.

#### Friday, September 17th 2021

14.00—15.30

2010 President Education Award of Tohoku University 2006 President Special Prize of Tohoku University 2005 The 25th Saruhashi Prize

Fields: Geometry, Discrete Geometric Analysis, Mathematics for Materials.



#### **Professor CHRISTOPHE** RITZENTHALER

Universite de Rennes 1, France

Professor at Université de Rennes 1, France Executive Director of CIMPA (Centre International de Mathématiques

#### Friday, October 29<sup>th</sup> 2021

14.00—15.30 (Western Indonesia Time, UTC +7)

Fields: Algebraic/Arithmetic Geometry.



#### **Professor** HANS Z. MUNTHE-KAAS

University of Bergen, Norway

- Chair of the International Abel Prize
- Editor in Chief, Journal Foundations of Computational Mathematics

#### Thursday, November 18<sup>th</sup> 2021

14.00—15.30

#### 1995 Carl-Erik Froberg Prize in Numerical analysis 1990 Exxon Mobile research award

Fields: Foundation of Computational Mathematics



#### **Professor** RICHARD BRUALDI

University of Wisconsin-Madison, USA

- Editor-in-Chief, Linear Algebra and Its Applications
- Editor-in-Chief, Electronic Journal of Combinatorics.

#### Friday, December 17<sup>th</sup> 2021

08.00-09.30

2000 Euler Medal 2006 Hans Schneider Prize in Linear Algebra

Fields: Matrix theory, Combinatorics, Graph Theory

https://bit.ly/MDLS-reg

Website:

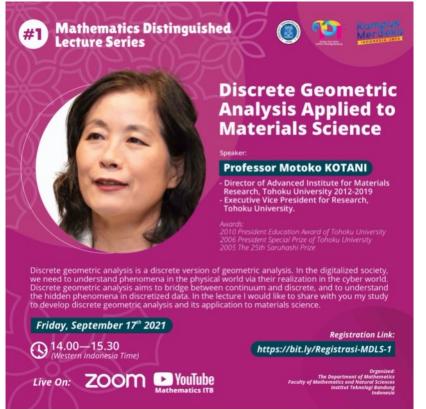
http://www.math.itb.ac.id/mdls/

**Registration Link:** 

Organized: The Department of Mathematics Faculty of Mathematics and Natural Sciences Institut Teknologi Bandung Indonesia

Live On: ZOOM

**Topics** covers from discrete to continuous mathematics, from theoretical to application.



#### **PARTICIPANTS:**

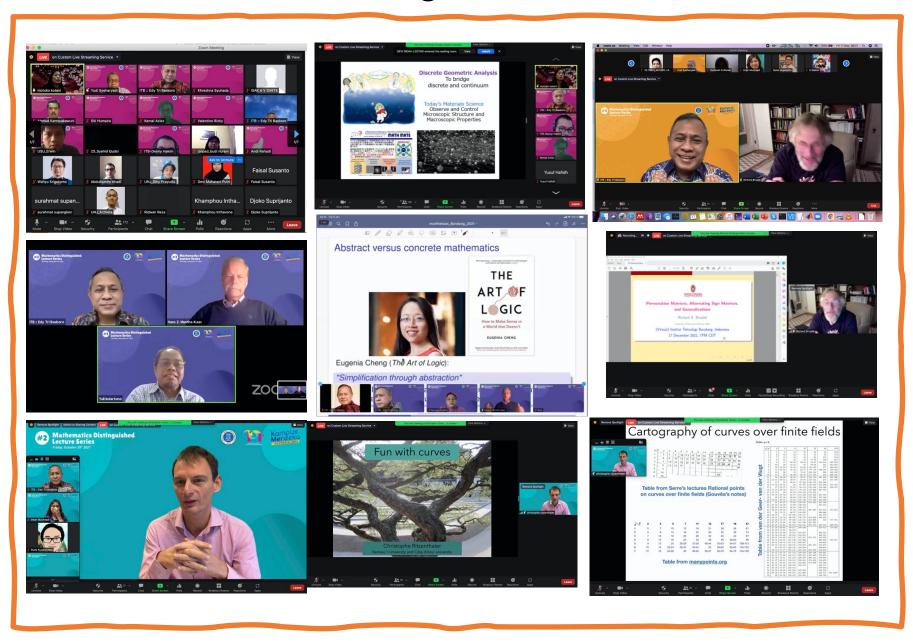
lecturers, researchers, postgrad and undergrad students from Indonesia, Malaysia, Thailand, the Philippines, China, Australia, Japan, Spain, Norway, USA, etc...







### **ITB Mathematics Distinguished Lecture Series 2021**



# ITB Institut Teknologi Bandung

### **MDLS 2022**

#### Fields Medalists:

- Prof. Martin Hairer
   (11 March 2022)
- Prof. Efim Zelmanov
   (3 Dec 2022)





#### All Mathematics Distinguished Lecture Series' videos are available here



#Indonesia #ITB #Bandung

MDLS#1 Discrete Geometric Analysis Applied to Materials Science

699 views • Streamed live on Sep 17, 2021

△ 43  $\bigcirc$  DISLIKE 战 SHARE ‰ CLIP  $\equiv$ + SAVE ...

## **CHALLENGES**





How to maintain and improve the activities of this webinar?

How to increase the impact of this activity?

# **Continues program**

# COMBINATORICS TODAY Series MATHEMATHICS DISTINGUISHED LECTURE Series

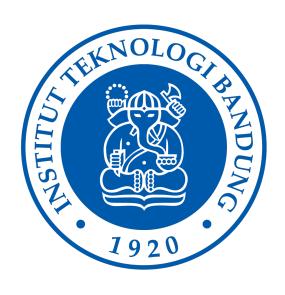
in HYBRID (online and offline) mode

Inviting **Distinguished Speakers** (for **7-10 days**) to **Indonesia** to do workshop and distinguished lectures.

- More interaction with local people
- Wider coverage (participants)
- But, more funding required (hope, can be sponsored from IMU and CIMPA and others)







# TERIMA KASIH THANK YOU