





Event eBrochure





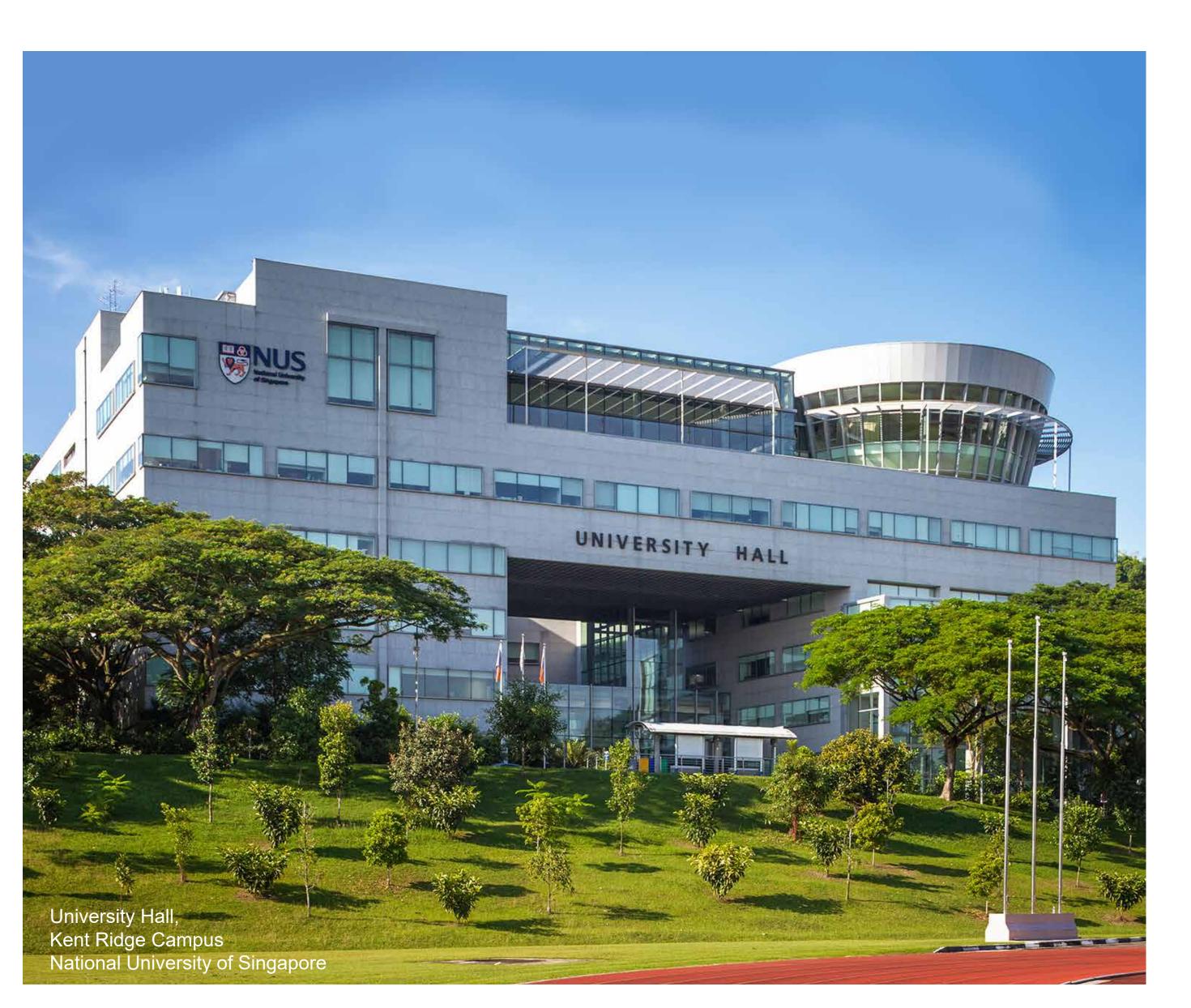
POSTGRADUATE BY COURSEWORK FAIR 2022



Postgraduate by Coursework Fair 2022

4 & 5 October 2022

Become a Master of the Future Economies



Become a Master of the Future Economies

Find out how you can position yourself as a sought-after talent in a new age with a prestigious Master's Degree by Coursework from the National University of Singapore (NUS).

Ranked #1 in Asia and #11 globally in the QS World University Rankings 2023, NUS is the right choice if you want to gain the right competencies to take advantage of the opportunities that are emerging with the Digital Economy, Green Economy, Care Economy, Industry 4.0 Economy and more.

Deep dive in what NUS can offer you at our two-day virtual education fair. Hear experts speak at Masterclass Sessions, explore your programmes of interest at Information Sessions, talk to programme consultants at Virtual Booths, and stand a chance to win an iPad Air!

Get ready for tomorrow, starting today—at the National University of Singapore Postgraduate by Coursework Fair 2022 (NUS PGCF 2022). #TheTimeIsNow



Become a Master of the Future Economies

NUS PGCF 2022

AT A GLANCE



Register Once to Access All the Offerings at the NUS PGCF 2022!

Visit

Virtual Booths

10.00am-5.00pm (SGT) 4-5 Oct 2022



Exhibition featuring NUS
Colleges/Schools/Faculties/
Institutes and our Master's
Degree by Coursework
offerings with Programme
Consultation

Watch

Masterclass Sessions

10.00am–5.00pm (SGT) 4–5 Oct 2022

Information Sessions 7.30pm–9.30pm (SGT)

7.30pm–9.30pm (SGT) 4–5 Oct 2022



Live and recorded webinar sessions on trending topics



Live webinar sessions on specific Master's Degree by Coursework programmes

Win

NUS PGCF 2022 Contest

Closes 10.00pm (SGT) 5 Oct 2022



Exclusively for NUS PGCF 2022 attendees: a chance to win an iPad Air





NUS Postgraduate by Coursework Fair 2022

4 & 5 October 2022

Become a Master of the Future Economies **NUS PGCF 2022**

PROGRAMME (DAY 1)



Tue, 4 Oct 2022

TIME (SGT)

10:00am-5:00pm

Speak to Our Programme Consultants

Visit our Virtual Booths to learn more about the various Master's Degree by Coursework programmes. Get a chance to speak to our programme consultants to have your questions answered.

Virtual Booth

10:00am-11:00am

Institute of Systems Science Masterclass

Feature Engineering for the Internet of

In this digital transformation era, we have seen the rise of digital platforms and increased usages of devices particularly in the area of wearables and the Internet of Things (IoT). Given the fast pace change to the IoT landscape and devices, data has become one of the important source of truth for analytics and continuous streaming of data from sensors have also emerged as one of the fuel that revolutionise the emergence of IoT. These includes health telematics, vehicle telematics, predictive maintenance of equipment, manufacturing quality management, consumer behaviour, and more. With this, we will give you an introduction on how to leverage the power of data science and machine learning to understand and explore feature engineering of IoT and sensor

Mr Heng Boon Kui

Chief, Master of Technology Software Engineering Programme Institute of Systems Science

Mr Darryl Ng

Senior Lecturer and Consultant, Software Systems Practice Institute of Systems Science

Digital Economy

TIME (SGT)

11:00am-12:00pm

12:00pm-

1:00pm

Master of Science (Maritime Technology and Management)

Adventure of Digital Twinning for Next Generation Ports—Learning from and for the Future

- The unique role of Singapore in maritime history
- Trend and challenges in the global maritime sector
- Digital twinning for a crystal ball with analytics into the future
- Maritime technologies—past, present and the future
- Maritime managerial insights for the future

Dr Li Haobin

Senior Lecturer and Academic Director, Master of Science (Maritime Technology and Management) Programme

Department of Industrial Systems Engineering and Management (ISEM) Faculty of Engineering

NUS

Digital Economy Industry 4.0 Economy **Master of Science in Industry 4.0 Masterclass**

Industry 4.0—Artificial Intelligence, Robotics and Automation

- Staying competitive in the fourth industrial revolution (Industry 4.0)
- The need for industries with established processes, operations, supply chains and technologies to change and
- Impact of Industry 4.0-related technologies such as Internet of Things (IoT), Artificial Intelligence (AI), Robotics and Automation on industries, job profiles and sustainability
- The challenges ahead, and the drive for industry, academia and research to change in order to prepare for a unique tomorrow

Dr Prahlad Vadakkepat

Department of Electrical and Computer Engineering Faculty of Engineering

Masterclass Session Industry 4.0 Economy

1:00pm-2:00pm

Faculty of Dentistry Masterclass

The Wisdom behind Wisdom Teeth Surgery

Third Molar Surgery Workshop

Dr Intekhab Islam Associate Professor Faculty of Dentistry

Masterclass Session Care Economy

TIME (SGT)

4:00pm-5:00pm

Master of Arts (Arts and Cultural Entrepreneurship) Masterclass The 'Art' of Entrepreneurship

This masterclass introduces students to arts and cultural entrepreneurship. It discusses the creative cultural industry sector, introduces the sector innovation of art, culture and technology, and situates the 'art' of entrepreneurship in its unique creative cultural ecosystem.

Dr Audrey Yue

Professor and Head

Department of Communications and New Media

Faculty of Arts & Social Sciences

7:30pm-8:30pm

Institute of Systems Science Information Session

Ms Ku Yuen Wah

Chief, Master of Technology in Digital Leadership Programme Institute of Systems Science

Information Session Digital Economy

Master of Computing Information Session

Dr Chin Wei Ngan

Associate Professor and Vice Dean, Graduate Studies

School of Computing

Dr Teo Yong Meng

Associate Professor and Programme Director, Master of Computing General Track Programme

School of Computing

Information Session Digital Economy

Master of Science (Biomedical Engineering) Information Session

Dr Poh Chueh Loo

Associate Professor, and Programme Director, Master of Science (Biomedical Engineering) Programme

Department of Biomedical Engineering College of Design and Engineering

Dr Mark Chong

Department of Biomedical Engineering and Engineering Design & Innovation Centre College of Design and Engineering

NUS Information Session Care Economy

More sessions at this timeslot →

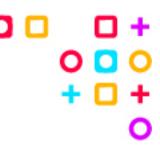




Become a Master of the Future Economies

NUS PGCF 2022

PROGRAMME (DAY 1)



Tue, 4 Oct 2022

TIME (SGT)

7:30pm-8:30pm

Master of Science in Business Analytics Information Session

Dr James Pang

Co-Director

Business Analytics Centre Associate Professor

Department of Analytics & Operations

NUS Business School

Information Session Digital Econor

Master of Science (Project Management) Information Session

Dr Willie Tan

Professor and Programme Director, Master of Science (Project Management)

Department of the Built Environment

College of Design and Engineering

Information Session

Saw Swee Hock School of Public Health Information Session

Dr Liow Chee Hsiang

Associate Professor and Vice Dean (Education)

Saw Swee Hock School of Public Health

Information Session

NUS

8:30pm-9:30pm

Faculty of Law Information Session

Dr Arif Jamal

Associate Professor and Vice Dean, Graduate Studies

Faculty of Law

Dr Jean Ho

Associate Professor and Director, Juris Doctor Programme

Faculty of Law

Dr Paul Myburgh

Deputy Director

Centre of Maritime Law Associate Professor

Faculty of Law

NUS

Information Session

More sessions at this timeslot →

TIME (SGT)

8:30pm-9:30pm

Lee Kuan Yew School of Public Policy Information Session

Mr Louis Low

Coordinating Head of Regions

Lee Kuan Yew School of Public Policy

NUS

Master of Arts (Arts and Cultural

Entrepreneurship) Information Session

Dr Audrey Yue

Professor and Head

Department of Communications and New Media

Faculty of Arts & Social Sciences

NUS

ation Session Industry 4.0 Economy

Master of Science (Biomedical Informatics) Information Session

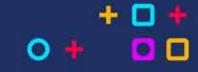
Dr Ngiam Kee Yuan

Associate Professor and Programme Director, Master of Science (Biomedical Informatics) Programme

Yong Loo Lin School of Medicine NUS

Information Session

Digital Economy





NUS Postgraduate by Coursework Fair 2022

4 & 5 October 2022

Become a Master of the Future Economies

NUS PGCF 2022

PROGRAMME (DAY 2)



Wed, 5 Oct 2022

TIME (SGT)

10:00am-5:00pm

Speak to Our Programme Consultants

Visit our Virtual Booths to learn more about the various Master's Degree by Coursework programmes. Get a chance to speak to our programme consultants to have your questions answered.

Virtual Booth

10:00am-11:00am

Institute of Systems Science Masterclass

Predictive Analytics

With the use of Predictive Analytics, companies are able to predict future trends based on existing available data. The actionable business predictions can help companies achieve cost savings, higher revenue, better resource allocation and efficiency. Predictive analytics has been used in various sectors such as banking & finance, sales & marketing, logistics, retail, healthcare and F&B for various purposes. Get set to learn more about the different stages of predictive analytics modelling such as data collection & preparation, model development & evaluation metrics, and model deployment considerations will be discussed.

Dr Rita Chakravarti

Chief, Master of Technology in Enterprise Business Analytics Programme Institute of Systems Science

Dr Brian Ang

Senior Lecturer & Consultant, Data Science Practice Institute of Systems Science

Digital Economy

TIME (SGT)

11:00am-12:00pm

Master of Science (Maritime Technology and Management)

Hybrid Simulation Modeling Formalism for Mega Container Terminals in Singapore

This masterclass briefly introduces the hybrid simulation modeling formalism for mega container terminals in Singapore, which is a scientific approach and innovative development towards practical application in the modeling of mega container ports. The hybrid formalism has an "eventbased" kernel for accurately describing the rules of discreteevent systems; it adopts a "state-based" modularisation for the segmented hierarchical structure of a complex industrial system, to simplify the process of modeling, as well as the maintenance and reusability of the model library; and, through the "activity-based" perspective, it provides an overview on the dynamics of all flowing entities in the system. This approach effectively enhanced the simulation and modeling capability of port terminals in Singapore, and prepared the students to address practical operational problems in mega container terminals with higher complexity.

Dr Li Haobin

Senior Lecturer and Academic Director, Master of Science (Maritime Technology and Management) Programme

Department of Industrial Systems Engineering and Management (ISEM) Faculty of Engineering NUS

Digital Economy Industry 4.0 Economy

12:00pm-1:00pm

Master of Science in Industry 4.0 Masterclass

Masterclass on Data Science

- Situation today & what is Industry 4.0?
- How does data science link to Industry 4.0
- How are businesses attracting more consumers through the application of Data Science
- Use case example on the value of Data Science
- Supervised capstone projects

Dr Carol Hargreaves

Data Analytics Consulting Centre

Associate Professor

Department of Statistics and Data Science

Department of Mathematics

Faculty of Science

Digital Economy Industry 4.0 Economy

TIME (SGT)

1:00pm-2:00pm

Master of Social Sciences (Communication) Masterclass (Two

"It Makes Me Feel Seen": Ways of Watching **Shang Chi from a Global Perspective**

This talk will explore meaning-making and how it is dependent on an audience's cultural context. Using Shang Chi as an example, it will touch on how 'representation matters' for minority audiences, American cultural hegemony and the problems with promoting this film to a Chinese market.

Dr Rosemary Overell

Senior Lecturer

Department of Communications and New Media Faculty of Arts & Social Sciences

Digital Transformation in Strategic Communication Industry

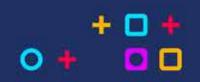
This Masterclass will explore how emerging technologies are transforming the strategic communication industry as well as public relations and advertising practices. Topic such as how Augmented Reality (AR) and Virtual Reality (VR) can be used to enhance the audience experience, why an understanding of big data is important for campaign-planning, and how Artificial Intelligence (AI) helps speed up communication processes in the strategic communication industry will be discussed.

Dr Suwichit (Sean) Chaidaroon

Senior Lecturer and Programme Director, Master of Social Sciences (Communication)

Department of Communications and New Media Faculty of Arts & Social Sciences

Digital Economy





NUS Postgraduate by Coursework Fair 2022

4 & 5 October 2022

Become a Master of the Future Economies **NUS PGCF 2022**

PROGRAMME (DAY 2)



Wed, 5 Oct 2022

TIME (SGT)

2:00pm-3:00pm

Master of Science in Venture Creation Masterclass Intellectual Property Basics for Entrepreneurs & Innovators

- Different types of Intellectual Property (IP) and how each can protect a core business
- Best practices for developing IP rights
- How best to file a patent application
- IP from a financial perspective, including IP valuation methodologies
- In-licensing and out-licensing of IPs

Mr Ma Mun Thoh

Deputy Director

NUS Industry Liaison Office

Head of Physical Sciences Intellectual Property Management & Technology Commercialisation Group

Digital Economy Industry 4.0 Economy

3:00pm-4:00pm

5:00pm

Master of Science in Environmental Engineering Masterclass Singapore's Approach to Coastal Protection

This session will provide insights on the key strategies and approaches for coastal protection that Singapore's national water agency, the Public Utilities Board (PUB), will adopt in order to enhance the country's resilience against sea level rise and to take this opportunity to reimagine Singapore's coastline. Aligned with this set of approaches, PUB will embark on site-specific studies, develop a Coastal Protection Masterplan and drive research studies to build knowledge as well as develop local capability in coastal protection.

Mr Ho Chai Teck

Deputy Director

Masterplanning and Regulatory Division

Public Utilities Board

4:00pm-

Faculty of Dentistry Masterclass

4th Edmund Tay Mai Hiong Distinguished **Speaker Programme Sleep Bruxism Update**

Dentists are frequently confronted with bruxism in their everyday practices. In this lecture, focus will be on the current insights into bruxism's definition, assessment, epidemiological characteristics, aetiology, possible negative (and positive) consequences, differential diagnosis, and management.

Dr Frank Lobbezoo

Faculty of Dentistry

Masterclass Session Care Economy

TIME (SGT)

5:00pm-5:15pm

Master of Science in Engineering Design & Innovation Masterclass Ready for Design & Innovation?

This lecture presents the core principles of the Master of Science in Engineering Design & Innovation. It also gives an overview of the programme structure and requirements.

Dr Loh Ai Poh

Associate Professor and Academic Director, Master of Science in Engineering Design & Innovation Programme

Department of Electrical & Computer Engineering and Engineering Design & Innovation

College of Design and Engineering

s Session Industry 4.0 Economy

5:15pm-6:00pm

Carbon Markets as Foundations for Nature-Based Climate Solutions

Climate change represents a major threat to social, environmental and economic systems. It is essential that carbon emissions are rapidly reduced towards net zero if we want to have a chance to keep global warning below 1.5 degrees, thus avoiding irreversible tipping points. Carbon markets represent one of the most promising tools to accelerate a transition towards green energy. Here I will present their foundations and explain how carbon markets can be applied to projects that focus on nature conservation and restoration as climate change mitigations solutions.

Dr L Roman Carrasco

Associate Professor Faculty of Science

Green Economy

7:30pm-8:30pm

Faculty of Dentistry Information Session

Dr Victoria Yu Vice-Dean, Graduate Studies

Faculty of Dentistry

Faculty of Science Information Session

Dr Bao Weizhu

Vice-Dean, Graduate Studies & Academic Affairs

Faculty of Science

Information Session

More sessions at this timeslot →

TIME (SGT)

7:30pm-8:30pm

Master of Science in Digital Financial Technology Information Session

Dr Huang Ke-Wei

Assistant Dean, Graduate Studies, and Programme Director, Master of Science in Digital Financial Technology Programme

School of Computing

Master of Science (Maritime Technology and Management) Information Session

Dr Li Haobin

Senior Lecturer and Academic Director, Master of Science (Maritime Technology and Management) Programme

Department of Industrial Systems Engineering and Management (ISEM) Faculty of Engineering

Information Session Digital Economy Industry 4.0 Economy

Master of Science in Venture Creation Information Session

Ms Claire Cheong

Programme Head

NUS Enterprise

Master of Social Sciences (Communication) Information Session

Dr Kokil Jaidka

Assistant Professor and Programme Coordinator (Data and Communication) Department of Communications and New Media

Faculty of Arts & Social Sciences

8:30pm-9:30pm

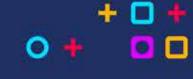
Master of Science (Building Performance and Sustainability) Information Session

Dr Chandra Sekhar

Professor and Programme Director, Master of Science (Building Performance and Sustainability) Programme

Department of the Built Environment College of Design and Engineering

More sessions at this timeslot →





Become a Master of the Future Economies

NUS PGCF 2022

PROGRAMME (DAY 2)



Wed, 5 Oct 2022

TIME (SGT)

8:30pm-9:30pm

Master of Science in Energy Systems Information Session

Dr Jiang Jianwen

Professor and Programme Director, Master of Science (Energy Systems) Programme
Department of Chemical and Biomolecular Engineering

College of Design and Engineering

Master of Science in Engineering Design & Innovation Information Session

Dr Mark De Lessio

Associate Professor (Practice)
Engineering Design & Innovation Centre
College of Design and Engineering

Information Session Industry 4.0 Economy

Master of Science in Industry 4.0 Information Session

Dr Goh Puay Guan

Associate Professor (Practice Track) and Academic Director, Master of Science in Industry 4.0 Programme
NUS Business School

NUS

Information Session Industry 4.0 Economy

Master of Science in Supply Chain Management Information Session

Dr Tan Kok Choon

Director (Degree Education)
The Logistics Institute - Asia Page

The Logistics Institute - Asia Pacific

Associate Professor (Practice Track) and Deputy Head Department of Analytics & Operations

NUS Business School

NUS

Information Session

NUS Business School Information Session

Mr Daniel Pang

Master of Science Programmes Officer

NUS Business School

Information Session

Risk Management Institute Information Session

Ms Jayne Roy

Assistant Senior Manager Risk Management Institute

NUS

Information Session



Coursework Fair

2022

NUS PGCF 2022 SPEAKERS





Dr Brian Ang Senior Lecturer & Consultant, Data Science Practice Institute of Systems Science



Dr Bao Weizhu Professor **Department of Mathematics** Vice-Dean, Graduate Studies & Academic Affairs Faculty of Science NUS



Dr L Roman Carrasco Associate Professor Faculty of Science NUS



Dr Suwichit (Sean) Chaidaroon Senior Lecturer and Programme Director, Master of Social Sciences (Communication) Programme Department of Communications and New Media Faculty of Arts & Social Sciences



Dr Rita Chakravarti Chief, Master of Technology in Enterprise Business Analytics Programme Institute of Systems Science NUS



Ms Claire Cheong Programme Head NUS Enterprise



Dr Chin Wei Ngan Associate Professor and Vice Dean, **Graduate Studies** School of Computing



Dr Mark Chong Senior Lecturer Department of Biomedical Engineering and Engineering Design & Innovation Centre College of Design and Engineering



Dr Mark De Lessio Associate Professor (Practice) Engineering Design & Innovation Centre College of Design and Engineering



Dr Goh Puay Guan Associate Professor (Practice Track) and Academic Director, Master of Science in Industry 4.0 Programme **NUS Business School** NUS



Dr Carol Hargreaves Director Data Analytics Consulting Centre Associate Professor Department of Statistics and Data Science Department of Mathematics Faculty of Science NUS



Mr Heng Boon Kui Chief, Master of Technology Software **Engineering Programme** Institute of Systems Science



Mr Ho Chai Teck Deputy Director Masterplanning and Regulatory Division Public Utilities Board



Dr Jean Ho Associate Professor and Director, Juris **Doctor Programme** Faculty of Law NUS



Dr Huang Ke-Wei Assistant Dean, Graduate Studies, and Programme Director, Master of Science in Digital Financial Technology **Programme** School of Computing NUS



Dr Intekhab Islam Associate Professor Faculty of Dentistry



Dr Kokil Jaidka Assistant Professor and Programme Coordinator (Data and Communication) Department of Communications and New Media Faculty of Arts & Social Sciences NUS



Dr Arif Jamal Associate Professor and Vice Dean, **Graduate Studies** Faculty of Law NUS



Dr Jiang Jianwen Professor and Programme Director, Master of Science (Energy Systems) Programme Department of Chemical and Biomolecular Engineering College of Design and Engineering

NUS



Ms Ku Yuen Wah Chief, Master of Technology in Digital Leadership Programme Institute of Systems Science



Dr Li Haobin Senior Lecturer and Academic Director, Master of Science (Maritime Technology and Management) Programme Department of Industrial Systems Engineering and Management (ISEM) Faculty of Engineering

NUS



Dr Liow Chee Hsiang Associate Professor and Vice Dean (Education) Saw Swee Hock School of Public Health NUS



Dr Frank Lobbezoo Professor Faculty of Dentistry NUS



Dr Loh Ai Poh Associate Professor and Academic Director, Master of Science in Engineering and Design Innovation Programme Department of Electrical & Computer Engineering and Engineering Design & Innovation Centre College of Design and Engineering











Postgraduate by Coursework Fair 2022

4 & 5 October 2022

Become a Master of the Future Economies

NUS PGCF 2022 SPEAKERS





Mr Louis Low Coordinating Head of Regions Lee Kuan Yew School of Public Policy



Mr Ma Mun Thoh Deputy Director NUS Industry Liaison Office Head of Physical Sciences Intellectual Property Management & Technology Commercialisation Group

NUS



Dr Paul Myburgh Deputy Director Centre of Maritime Law Associate Professor Faculty of Law NUS



Mr Darryl Ng Senior Lecturer and Consultant, Software Systems Practice Institute of Systems Science NUS



Dr Ngiam Kee Yuan Associate Professor and Programme Director, Master of Science (Biomedical Informatics) Programme Yong Loo Lin School of Medicine



Dr Rosemary Overell Senior Lecturer Department of Communications and New Media Faculty of Arts & Social Sciences NUS



Dr Poh Chueh Loo **Dr James Pang** Co-Director Associate Professor and Programme **Business Analytics Centre** Director, Master of Science (Biomedical Engineering) Programme Associate Professor Department of Biomedical Engineering Department of Analytics & Operations College of Design and Engineering **NUS Business School** NUS



Dr Chandra Sekhar Professor and Programme Director, Master of Science (Building Performance and Sustainability) Programme Department of the Built Environment College of Design and Engineering



Dr Tan Kok Choon Director (Degree Education) The Logistics Institute - Asia Pacific Associate Professor (Practice Track) and Deputy Head Department of Analytics & Operations **NUS Business School** NUS



Dr Willie Tan Professor and Programme Director, Master of Science (Project Management) Programme Department of the Built Environment College of Design and Engineering NUS



Dr Teo Yong Meng Associate Professor and Programme Director, Master of Computing General Track Programme School of Computing NUS



Dr Prahlad Vadakkepat Professor Department of Electrical and Computer Engineering Faculty of Engineering NUS



Dr Victoria Yu Associate Professor and Vice-Dean, **Graduate Studies** Faculty of Dentistry NUS



NUS

Dr Audrey Yue Professor and Head Department of Communications and New Media Faculty of Arts & Social Sciences





Become a Master of the Future Economies

NUS PGCF 2022 VISIT



Virtual Booths

Various NUS Colleges, Schools, Faculties and Institutes will be represented at the NUS PGCF 2022. Drop by our Virtual Booths to get a glimpse of the wide range of postgraduate by coursework programmes we offer. Gain insights into admission requirements, application periods and processes, programme structures, fees and more. Look for one of our programme consultants if you have a question that is not addressed by the material made available at the Virtual Booths.



Faculty of Arts & Social Sciences



College of Design and Engineering



























School of Continuing and Lifelong Education











Faculty of Dentistry



Saw Swee Hock School of Public Health













Become a Master of the Future Economies

NUS PGCF 2022 WATCH



NUS PGCF 2022 VIN



Live and Recorded Webinar Sessions

Register once to get access to all the webinar sessions in the NUS PGCF 2022 programme line-up. All you have to do is log in to the event portal and click on a session you are interested in (or as many sessions as you like!).



NUS PGCF 2022 Contest

Exclusively for NUS PGCF 2022 attendees: Stand a chance to win an iPad Air if you can answer the questions in our contest correctly. To take part, log on to our event portal on 4 & 5 October 2022 and follow the simple instructions on the "Win" web page.









We Look Forward to Seeing You!



4 & 5 October 2022

Event Registration Website: https://www.gevme.com/nuspgcf2022

NUS Postgraduate by Coursework Website:
https://scale.nus.edu.sg/programmes/graduate

Enquiry Email:
pgc@nus.edu.sg

Facebook:

https://www.facebook.com/NUS.PGC

LinkedIn:

https://www.linkedin.com/company/nus-masters-programmes

WeChat:

https://mp.weixin.qq.com/s/Nsn6XUdy67lkhgTXrnhScQ



