





4 & 5 October 2022

Event eBrochure





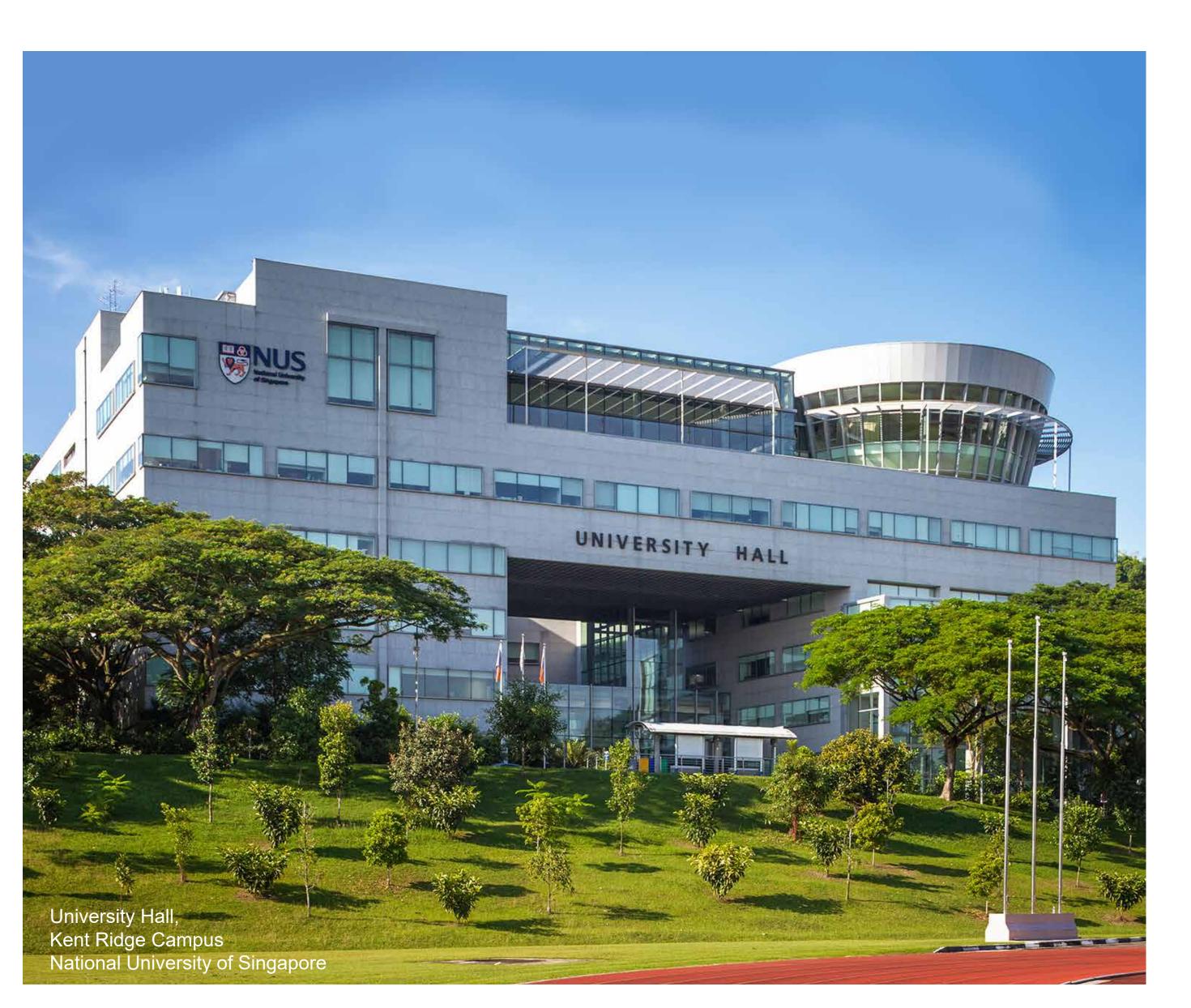
POSTGRADUATE BY COURSEWORK FAIR 2022



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–6.00pm (SGT) 4–5 Oct 2022

Information Sessions

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 Things

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 data.

Mr Heng Boon Kui

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

Senior Lecturer Darryl Ng

Consultant, Software Systems Practice

Institute of Systems Science NUS

Mactorolace Socion

n Digital Economy

TIME (SGT)

11:00am**–** 12:00pm

Master of Science (Maritime Technology and Management)
Masterclass

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

Senior Lecturer Li Haobin

and Automation

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

Department of Industrial Systems Engineering and Management (ISEM) College of Design and Engineering NUS

Masterclass Session Digital Economy Industry 4.0 Economy

12:00pm-1:00pm

Master of Science in Industry 4.0 Masterclass Industry 4.0—Artificial Intelligence, Robotics

- 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 improve
- 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

Associate Professor Prahlad Vadakkepat

Department of Electrical and Computer Engineering
College of Design and Engineering
NUS

Masterclass Session Industry 4.0 Economy

1:00pm-2:00pm

Faculty of Dentistry Masterclass

The Wisdom behind Wisdom Teeth Surgery

Third Molar Surgery Workshop

Associate Professor Intekhab Islam

Faculty of Dentistry

JS

Masterclass Session Care Economy

TIME (SGT)

2:00pm-3:00pm

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.

Professor Audrey Yue

Head

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

NUS

Masterclass Session Industry 4.0 Economy

7:30pm**–** 8:30pm

Institute of Systems Science Information Session

Mr Heng Boon Kui

Chief, Master of Technology Software Engineering Programme

Institute of Systems Science

NUS

Information Session Digital Economy

Master of Computing Information Session

Associate Professor Chin Wei Ngan

Vice Dean, Graduate Studies

School of Computing

NUS

Associate Professor Teo Yong Meng

Programme Director, Master of Computing General Track Programme

School of Computing

NUS

Information Session Digital Economy

Master of Science (Biomedical Engineering) Information Session

Associate Professor Poh Chueh Loo

Programme Director, Master of Science (Biomedical Engineering) Programme

Department of Biomedical Engineering
College of Design and Engineering

College of Design and Engineering NUS

Senior Lecturer 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 →





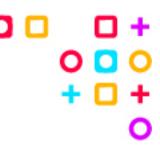
Coursework Fair 2022

4 & 5 October 2022

Become a Master of the Future Economies

NUS PGCF 2022

PROGRAMME (DAY 1)



Tue, 4 Oct 2022

TIME (SGT)

7:30pm-8:30pm

Master of Science in Business Analytics Information Session

Associate Professor (Practice Track) James Pang

Department of Analytics & Operations

NUS Business School

Co-Director

Business Analytics Centre NUS

Information Session Digital Economy

Master of Science (Project Management) Information Session

Professor Willie Tan

Programme Director, Master of Science (Project Management) Programme

Department of the Built Environment College of Design and Engineering

NUS

Master of Public Health Information Session

Associate Professor Liow Chee Hsiang

Vice Dean (Education)

Saw Swee Hock School of Public Health NUS

Information Session Care Economy

8:30pm-9:30pm

Faculty of Law Information Session

Associate Professor Arif Jamal

Vice Dean, Graduate Studies

Faculty of Law

Associate Professor Jean Ho

Director, Juris Doctor Programme

Faculty of Law

NUS

Associate Professor Paul Myburgh

Faculty of Law

Deputy Director

Centre of Maritime Law

NUS

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

Master of Arts (Arts and Cultural Entrepreneurship) Information Session

Professor Audrey Yue

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

Master of Science (Biomedical Informatics) Information Session

Associate Professor Ngiam Kee Yuan

Head and Programme Director, Master of Science (Biomedical Informatics)

Department of Biomedical Informatics Yong Loo Lin School of Medicine

Digital Economy





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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

Senior Lecturer Brian Ang

Consultant, Data Science Practice
Institute of Systems Science

institui NUS

lasterclass Session Digital Economy

TIME (SGT)

11:00am**–** 12:00pm

Master of Science (Maritime Technology and Management)
Masterclass

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.

Senior Lecturer Li Haobin

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

Department of Industrial Systems Engineering and Management (ISEM)
College of Design and Engineering

·OOnm_ Master of

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

Associate Professor Carol Hargreaves

Department of Statistics and Data Science Department of Mathematics Faculty of Science

Director

Data Analytics Consulting Centre

NUS

sterclass Session Digital Economy Industry 4.0 Economy

TIME (SGT)

1:00pm-2:00pm

Master of Social Sciences (Communication) Masterclass (Two Topics)

"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.

Senior Lecturer Rosemary Overell

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

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.

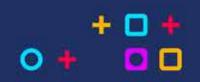
Senior Lecturer Suwichit (Sean) Chaidaroon

Programme Director, Master of Social Sciences (Communication) Programme

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

NUS

Masterclass 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)

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

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

TIME (SGT)

4:00pm-5:00pm

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.

Professor Frank Lobbezoo

Faculty of Dentistry

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.

Associate Professor Loh Ai Poh

Academic Director, Master of Science in Engineering Design & Innovation Programme Department of Electrical & Computer Engineering and Engineering Design & Innovation College of Design and Engineering

5:15pm-6:00pm

Faculty of Science Masterclass

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 warming 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.

Associate Professor L Roman Carrasco

Green Economy

Assistant Head

Department of Biological Sciences Faculty of Science

TIME (SGT)

7:30pm-8:30pm

Faculty of Dentistry Information Session

Associate Professor Victoria Yu

Vice-Dean, Graduate Studies

Faculty of Dentistry

Faculty of Science Information Session

Professor Bao Weizhu

Vice-Dean, Graduate Studies & Academic Affairs

Faculty of Science

Master of Science in Digital Financial Technology Information Session

Associate Professor Huang Ke-Wei

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

School of Computing

NUS

Information Session Digital Economy

Master of Science (Maritime Technology and Management) Information Session

Senior Lecturer Li Haobin

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

Department of Industrial Systems Engineering and Management (ISEM) College of Design and Engineering

Information Session Digital Economy Industry 4.0 Economy

Master of Science in Venture Creation Information Session

Ms Claire Cheong

Programme Head

NUS Enterprise

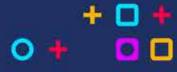
Master of Social Sciences (Communication) Information Session

Assistant Professor Kokil Jaidka

Programme Coordinator (Data and Communication)

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

Information Session Digital Economy







2022

4 & 5 October 2022

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 (Building Performance and Sustainability) Information Session

Professor Chandra Sekhar

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

Department of the Built Environment College of Design and Engineering

Information Session Green Economy

Master of Science in Energy Systems Information Session

Professor Jiang Jianwen

Programme Director, Master of Science (Energy Systems) Programme

Department of Chemical and Biomolecular Engineering College of Design and Engineering

Information Session Green Economy

Master of Science in Engineering Design & **Innovation Information Session**

Associate Professor (Practice) Mark De Lessio

Engineering Design & Innovation Centre College of Design and Engineering

Information Session Industry 4.0 Economy

Master of Science in Industry 4.0 Information Session

Associate Professor (Practice Track) Goh Puay Guan

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

Associate Professor (Practice Track) Tan Kok Choon

Deputy Head

Department of Analytics & Operations NUS Business School

Director (Degree Education)

The Logistics Institute - Asia Pacific

Information Session

More sessions at this timeslot →

TIME (SGT)

8:30pm-9:30pm

NUS Business School Master of Science Programmes Information Session

Mr Daniel Pang

Master of Science Programmes Officer

NUS Business School NUS

Master of Science in Financial Engineering Information Session

Ms Jayne Roy

Master of Science in Financial Engineering Programme Lead

NUS Risk Management Institute





2022

NUS PGCF 2022 SPEAKERS





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



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



Associate Professor L Roman Carrasco **Assistant Head** Department of Biological Sciences Faculty of Science



Senior Lecturer Suwichit (Sean) Chaidaroon **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



Ms Claire Cheong Programme Head NUS Enterprise



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



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



Associate Professor (Practice) Mark De Lessio

Engineering Design & Innovation Centre College of Design and Engineering



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



Associate Professor Carol Mr Heng Boon Kui Hargreaves **Chief, Master of Technology Software Engineering Programme** Department of Statistics and Data Science Department of Mathematics Institute of Systems Science Faculty of Science NUS





Mr Ho Chai Teck **Deputy Director** Masterplanning and Regulatory Division Faculty of Law Public Utilities Board



Associate Professor Jean Ho Director, Juris Doctor Programme



Ke-Wei Islam Assistant Dean, Graduate Studies, and Programme Director, Master of Science in Digital Financial Technology **Programme**



Faculty of Dentistry



Associate Professor Kokil Jaidka **Programme Coordinator (Data and**

Communication) Department of Communications and New Faculty of Arts & Social Sciences



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



Data Analytics Consulting Centre

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



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

Department of Industrial Systems Engineering and Management (ISEM) College of Design and Engineering



Associate Professor Liow Chee Hsiang

Vice Dean (Education) Saw Swee Hock School of Public Health



Professor Frank Lobbezoo Faculty of Dentistry NUS



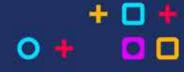
School of Computing

Associate Professor Loh Ai Poh **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



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





Postgraduate by Coursework Fair 2022

4 & 5 October 2022

Become a Master of the Future Economies

NUS PGCF 2022 SPEAKERS





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



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



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



Associate Professor Ngiam Kee Yuan Head and Programme Director, Master of Science (Biomedical Informatics) Programme Department of Biomedical Informatics

Yong Loo Lin School of Medicine



Senior Lecturer Rosemary
Overell

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



Associate Professor (Practice
Track) James Pang

Department of Analytics & Operations
NUS Business School
NUS

Co-Director
Business Analytics Centre

Associate Professor Poh Chueh
Loo
Programme Director, Master of Science
(Biomedical Engineering) Programme
Department of Biomedical Engineering
College of Design and Engineering
NUS



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



Associate Professor (Practice Track) Tan Kok Choon

Deputy Head

Department of Analytics & Operations NUS Business School

Director (Degree Education)

The Logistics Institute - Asia Pacific NUS



Professor Willie Tan

Programme Director, Master of Science (Project Management) Programme

Department of the Built Environment

College of Design and Engineering

NUS



Associate Professor Teo Yong Meng Programme Director, Master of Computing (General Track) Programme School of Computing NUS



Associate Professor Prahlad Vadakkepat Department of Electrical and Computer Engineering College of Design and Engineering NUS



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



Professor Audrey Yue

Head

Department of Communications and New Media

Faculty of Arts & Social Sciences

NUS





4 & 5 October 2022

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









4 & 5 October 2022

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



