

CAREER CONVERSION PROGRAMME FOR SUSTAINABILITY PROFESSIONALS (CCP-S)

Programme Manager



Strategic Partner



List of CCP-S Mentors

- Alice Chua
- Benjamin Wee
- Dr Charles Lee
- Darren Ang
- Daniel Wong
- Dr Goh Chee Keong
- Hoo Chee Wai
- Jayden Ho
- Jeremy Kong
- Junice Yeo
- Kenny Low
- Linus Mak
- Ling Siew Hui
- Magdalene Tan
- Samuel Jayakumar
- Sky Seow
- Teng Yin Ting
- Wendy Wong

ALICE CHUA

Alice is the founder of GRCSolutions, a boutique firm specialising in mentor services and learning solutions in governance, enterprise risk management, compliance and sustainability. During the period from 2008 to 2019, Alice was the Head of Risk and Sustainability in ST Engineering, where she led the efforts to establish a group risk and sustainability reporting framework. In her role as Head of Risk and Sustainability, her mandate was to implement an Enterprise Risk Management (“ERM”) Framework, and inculcate a risk-aware culture within the group, which comprised local and overseas companies.

In addition to ERM, Alice was responsible for Ethics Compliance within the group. Integrating sustainability within the ERM framework, Alice was instrumental in establishing the group’s sustainability report and played a stewardship role in the sustainability reporting function. Prior to ST Engineering, Alice spent many years in the financial services sector, primarily in PrimePartners Group as a CFO and Compliance Officer. She has also worked as Director of Risk Advisory in KPMG Singapore.

Area of Expertise: ERM/ESG Reporting
Sustainability Experience: 10 years

BENJAMIN WEE

Benjamin specializes in digital supply chain and sustainable procurement training. He has delivered procurement and supply chain training for companies, local university, private education institutions and non-profit organizations. He also provided consultancy services to hospitality, food services, and telecommunications companies.

Benjamin is a Singapore Certified Management Consultant (PSCMC), Chartered Procurement & Supply Professional – Fellow (FCIPS), Certified Supply Chain Professional (CSCP), GRI Professional Certification (2021 standards) and Associate Adult Educator (AEP-AAE). He graduated with bachelor's degree in economics and diploma in electronic and computer engineering.

Area of Expertise: Sustainable Procurement
Sustainability Experience: 6 years

DR CHARLES LEE

Dr Lee has more than 30 years' experience in environmental management, research, education and consulting in North America, and Asia-Pacific countries. His experience encompasses consulting at one of the top environmental consulting firms in the San Francisco Bay Area (California) USA; R&D at the Agency for Science Technology and Research (A*Star, Singapore); and academic teaching, management and research at the University of Newcastle (Australia).

He is currently Associate Professor and the Program Convenor for the Bachelor of Environmental and Occupational Health & Safety program. His research, management and technical expertise includes: environmental sustainability; water, wastewater and solid waste management; environmental health; ecological restoration; and assisting industries to meet the UN Sustainable Development Goals (SDGs).

Area of Expertise: Environmental Sustainability
Sustainability Experience: 30 years

DARREN ANG

Darren has been teaching on both soft and technical skill for corporate and community from school children, worker, supervisor, manager, and member of public for the past 15 years with proven records working in various levels and industries (shipyard, manufacturing and oil and gas) on HSE Management System, Training and Auditing across Asia Pacific, Middle East and Brazil MNCs.

He has an experience in sustainability for 7 Years on solar energy projects and other projects relating to sustainability. He has worked with SGClean as volunteer SG clean ambassador for public education and house visit. I am an active in the community as volunteer and adult educator with Govt agencies, Non-Govt organization and Non-profit organization for the past 8 years.

Area of Expertise: Renewable Energy
Sustainability Experience: 7 years

DANIEL WONG

Daniel, officially trained by Netafim and Mottech (Motorola Irrigation Control), has established himself as a key player in the design of decentralized water management, water treatment systems, and Internet of Things (IOT) devices in high-tech Agriculture across the region including Singapore, Malaysia, and Thailand. He pioneered the first hydroponic green wall integrated with real-time online water systems control and monitoring system in Singapore.

He also designed and built cloud computing into rainwater harvesting systems and distributed water disinfection systems that can be monitored and controlled remotely. Daniel and his team now operate high-tech farms in Singapore and Thailand, equipped with state-of-the-art farming technology. He also developed Netatech's proprietary Farm IOT based on cutting-edge, highly scalable serverless architecture.

Area of Expertise: Agritech, Water Management
Sustainability Experience: 12 years

DR GOH CHEE KEONG

Dr Goh Chee Keong is a Conexus Senior Manager at Republic Polytechnic's Environmental Technology Centre. He has more than 15 years of experience in leading research groups with extensive work in advanced materials for the built environment, bioenergy and waste-to-resource applications. He is also the author of numerous research publications on catalytic materials and environmental technologies.

Chee Keong has secured high impact projects funded by various agencies including Ministry of Education (MOE), National Environment Agency (NEA) and Tote Board. Currently, he serves as a consultant for goEco Ambassador Programme and SS 661 Specification for Clean and Green Urban Farms-Agriculture. In addition to his active role as an executive committee member in the Singapore Catalysis Society, he is also a Technical Assessor with Singapore Accreditation Council (SAC-SINGLAS). He actively contributes to the Singapore Standardisation Programme for the chemical industry where he was awarded with the SPRING Singapore Merit Award in 2017. He was also awarded the Outstanding Innovator-MOE Innergy Award 2019 and Exemplary Innovator Award at the Public Sector Transformation (PST) Awards 2020.

Area of Expertise: Environment, Materials, Carbon Management
Sustainability Experience: 15 years

HOO CHEE WAI

Chee Wai, a certified PMI-PMP and a certified Scrum Master, has 14 years of project management experience and he has been involved in numerous projects that specialise in project management and Lean Six Sigma. His key achievement in past projects includes reducing warehouse processing time from receiving to put away by 20% as well as reducing travelling waste of fork lift transport waste by 10% in a luxury goods warehouse operation.

He has obtained the industry-recognised certification for project managers: PMI's Project Management Professional (PMP) credential. He is currently a senior lecturer at RP with an interest to share his experience in Project Management and Lean Six Sigma he has been working with different companies on lean projects for the past years and has conducted trainings in CET workshops.

Area of Expertise: Project Management, Lean Six Sigma, goECO Trainer
Sustainability Experience: 10 years

JAYDEN HO

Jayden assisted a bus transport operator in Singapore in setting up an ISO55001 system, integrated with ISO9001: 2015 to be in compliance with certification and LTA requirements. The process involved training the staff to prepare the relevant risk and opportunity, interested party needs and expectation review, setting up mitigation plans, preparing the Strategic Asset Management Plan, Asset management and life cycle assessment and asset disposal procedure, etc.

The experience gathered during this 1.5-year project, and coupled with at least 3 years of maintaining the system, allowed the team to enhance practical knowledge related to the maintenance of public transport assets like buses, interchanges, depot, yards.

Area of Expertise: ISO Audit/Consultancy
Sustainability Experience: 15 years

JEREMY KONG

Jeremy, a Co-Founder and Deputy Chairman of the Campus Sustainability Committee at Republic Polytechnic, has 16 years of experience in sustainability projects. He has spearheaded numerous sustainability projects such as the Black Solider Fly project, Food Waste digester, Smart Recycling Bin, Bamboo Shark Conservation, Rain Garden, Aquaculture, and Agriculture facilities at Republic Polytechnic.

Jeremy is also a recipient of the National Environment Agency's 14th EcoFriend Award in 2021 and has represented RP as both the Technical Committee Member Organising Committee for ISWA World Congress 2022 and as a Member of the Accreditation & Quality Assurance Committee (AQAC) for the Environment & Water (Environment) Chartered Engineering Technologist and Technician. He is currently the Project advisor for Sustainability (reporting) project and Capstone environmental services project in Diploma in Applied Science (Environmental Services and Management).

Area of Expertise: (eg mass spectrometry, upcycling, waste management, decontamination, circular economy, pest management and wild life management)
Sustainability Experience: 9 years

JUNICE YEO

Junice, an Executive Director at Eco-Business, leads the public and private sector engagements at Eco-Business including establishing platforms for dialogues and heads up the ESG Intelligence division to deliver research, training, and advisory work in the region.

Prior to that, she served as Director (Southeast Asia) at UK-based sustainability management advisory, Corporate Citizenship for six years, where she worked with Asian-based corporations, governments and non-profits on strategic environment and social issues. Industries in which she has provided ESG expertise to include finance and insurance, real estate, agriculture and commodities, chemicals and more.

A certified Sustainability Reporting trainer under the Global Reporting Initiative (GRI Standards 2016) and social impact measurement specialist, she has trained over 400 individuals in Asia on various ESG disclosure topics. She has a CFA Level 4 in ESG Investing, and frequently conducts sustainability-related trainings for organisations and individuals.

Area of Expertise: Sustainability reporting, Environmental reporting, Social Impact
Sustainability Experience: 11 years

KENNY LOW

Kenny is an experienced educator who specialises in teaching Design Thinking and business subjects. Kenny has contributed to the transformation of his diploma from a traditional marketing and market research programme to one that emphasises creativity, innovation and human-centered design. In recent years, he has applied his professional and academic knowledge of business innovation to the area of environmental sustainability.

Kenny's interest in design-led business innovation has guided him in multiple Design Thinking and Design Sprint projects. He has also developed training resources and conducted numerous workshops for government and business organisations in the field of Sustainable Product Design and Innovation. Because of his experience, he is regularly called upon to consult on stakeholders and user journey mapping. He is also active in action and academic research and has a special interest in applying eye-tracking research to analyse waste patterns.

Area of Expertise: Design Thinking, Sustainability Innovation
Sustainability Experience: 3 years

LINUS MAK

Linus is an experienced educator in sustainability and nature conservation. He is currently the Programme Head in Diploma in Applied Science (Environmental Services and Management) and a trainer for goEco Ambassdor programme. Linus is also an advisor for sustainability reporting, resource management, environmental operations, capstone environmental services projects which includes:

- Waste audit for **New Econ minimarts** to identify and compare waste characteristics via waste streams from brick and mortar, proximity on-demand and ecommerce operations. Development of Reweave Tote, a reusable grocery shopping bag for New Econ to reduce waste and promote corporate social responsibility. Awardee for Impact Festival 2022 Makeathon.
- Development of a flow-dripper hydroponic system via upcycling of medical waste from **healthcare product suppliers** (eg **B. Braun**) to reduce waste and promote therapeutic planting for patients at hospitals and elderly homes. Awardee for GreenFest 2022 Sustainability Tech Hackathon.
- Design of bat boxes with the **National Parks Board** that would encourage insect-eating bat species at Pulau Ubin to roost and thrive.

Area of Expertise: (eg product design and development, upcycling, waste management, circular economy, nature conservation)

Sustainability Experience: 8 years

LING SIEW HUI

Siew Hui is currently the Assistant Programme Chair (DIOM) at Republic Polytechnic (RP) where she led a team of lecturers in planning and executing continually updated curriculum related to Lean and Green Supply Chain. She was involved in projects in such as office-wide paper and water reduction drive in order to reduce wastes She has also supervised student team working on logistics industry project on waste identification and sustainable improvement

Siew Hui is also trainer for Go Eco Ambassador (2019 – 2022) which exposes participants to the foundational training for environmental sustainability and managing environmental sustainability-related projects.

Area of Expertise: Lean and Green Supply Chain
Sustainability Experience: 4 years

MAGDALENE TAN

Magdalene collaborated with various research and industrial partners on sustainability-related projects such as food waste treatment, air quality studies, and wastewater treatment systems. She enjoys working with industry partners to co-create solutions to improve the organization's sustainability performance. Magdalene holds an Advanced Certificate in Sustainability and Sustainable Businesses from SMU, as well as a Certificate in Sustainable Finance from Nanyang Business School, NTU. Some of her sustainability-related research and development projects accomplished are shown below:

- Research Collaboration Project with DSO National Laboratories for “Joint Study on Pollutant Exchange in Urban Buildings” [2020 – 2022]
- Industry project with Insectta on “Nutritional Analysis of Black Soldier Fly Larvae” [2019-2020]
- Co-principal investigator for MOE-TIF Project “Low-cost Adsorbent from Urban Waste for Industrial Wastewater Treatment” [2018 – 2019]
- Industry project with CUGE on “Improving Indoor Air Quality using Plants” [2016-2017]
- Team member of ICV-SPRING project/ Most Innovative Project Award -- “Black Soldier Fly Larvae for waste management” [2015]

Area of Expertise: Food waste recycling, water and air quality

Sustainability Experience: 7 years

SAMUEL JAYAKUMAR DAVID

Samuel worked as an Assistant Manager in BYD Singapore's Service Company HDT Singapore heading the Training and Recruitment Departments. While Working with HDT (BYD Singapore) he was involved in improving the Reliability and Productivity of Electric Vehicle Battery Testing using Non – Contact Testing.

He was also involved with Electric Vehicle Field testing to determine EV Battery Characteristics for predictable Discharge rates to reduce Road failures, in On the Road Testing and Field Failure analysis of EV Batteries to understand and improved the EV Battery for Taxi Use and Vehicle Familiarization and OJT (On the Job Training) for new Drivers to better utilize Electric Vehicles as Taxis.

Area of Expertise: Electric Vehicle and Battery Management
Sustainability Experience: 20 years

SKY SEOW

Sky specialised in automotive hybrid/electric vehicles service and maintenance and has an interest in developing Maintenance Training Program Development. Sky initiated the setup of the training centre for K-Tech in Dec 2019 to conduct high-energy vehicle training programs and it was accredited by the Institute of Motor Industry, IMI (UK) to become the Approval Centre in Singapore to offer Level 1 to Level 3 International Awards of qualifications to the automotive industry in Singapore.

Sky is currently providing consultancy and curriculum developer to different companies related to automotive and conducted facilitated classroom training and on-job training for businesses. Sky is on the Committee of ITE-WSP-Automotive where he provides advisory on the development of the Work-Study Diploma on Automotive Engineering. Developed Curriculum and On-job-Training (OJT) blueprints for various workplaces.

Area of Expertise: Electric / Hybrid Vehicle Services

Sustainability Experience: 3 years

DR TENG YIN TING

Dr Teng graduated with a Bachelor of Engineering (Materials Science and Engineering) from Nanyang Technological University. She completed her doctoral degree in Materials Science and Engineering under the NTU - Technische Universität München Joint PhD programme. She also holds an Advanced Certificate in Sustainability and Sustainable Businesses from Singapore Management University.

Dr Teng has worked in the research and education industry for 13 years, with experience in international collaboration, project management, and capabilities development with companies. Some of her previous project work includes the evaluation of cool paint for buildings, the development of self-cleaning additives for paints, battery materials, formulation development, and wavelength-selective photovoltaic module development for urban rooftop farming.

Area of Expertise: green materials development, resources consumption management, carbon accounting

Sustainability Experience: 3 years

WENDY WONG

Wendy has over 20 years of experience in various environment- and sustainability-related roles in the public sector. She worked in NEA for over 10 years and was involved in developing and implementing energy conservation and efficiency programmes. At RP, Wendy launched the Eco Ambassador Training Programme (EATP), in partnership with Singapore Environment Council, and provided training and consultancy to companies under the programme. She also collaborated with Insectta on a scientific research to extract organic semiconductors from black soldier fly larvae, and undertook industry attachment with SembWaste on a waste management-related project.

Wendy holds a MSc in Environmental Management and a BEng in Electrical Engineering. She is certified in GRI Sustainability Reporting, bizSAFE Level 2, and ISO 14001 (Internal Auditor). She contributed a chapter in 'Singapore's Solid Waste Management: A Sustainable Model' in Sustainability Matters (Vol. 1): Asia's Green Challenges (World Scientific, June 2014).

Area of Expertise: Environmental law and policies, waste management, energy conservation and efficiency, climate science, sustainability reporting

Sustainability Experience: 20 years