

CAREER CONVERSION PROGRAMME FOR SUSTAINABILITY PROFESSIONALS (CCP-S)

Programme Manager



Strategic Partner



List of CCP-S Mentors

- Dr Goh Chee Keong
- Hoo Chee Wai
- Jeremy Kong
- Kenny Low
- Linus Mak
- Ling Siew Hui
- Magdalene Tan
- Sky Seow
- Teng Yin Ting
- Wendy Wong

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 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. He also works closely with local companies by providing technology consultancy services. 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

- Reduce warehouse processing time from receiving to put away by 20%. Implement the relocation of receiving area to reduce travelling distance and improve workflow between warehouse and Quality Assurance operation.
- Reducing travelling waste of forklift transport waste by 10% in a luxury goods warehouse operation.
- Standardise and reduce carton size to increase shipping volume in a luxury goods warehouse operation.
- Attended Carbon footprint Assessment and Reduction for Resources Efficiency (CAR2E) Programme by SIMTech from 7 to 13 Oct 2013

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

JEREMY KONG

- Recipient of National Environment Agency's 14th EcoFriend Award in 2021
- Headed numerous sustainability projects such as the Black Solider Fly project, Food Waste digestor, Smart Recycling Bin, Bamboo Shark Conservation, Rain Garden, Aquaculture and Agriculture facilities at Republic Polytechnic.
- Co-Founder and Deputy Chairman for Campus Sustainability Committee at Republic Polytechnic.
- Laboratory manager and experienced with laboratory and quality management systems.
- Technical Committee Member Organising Committee for ISWA World Congress 2022
- Member of the Accreditation & Quality Assurance Committee (AQAC) for the Environment & Water (Environment) Chartered Engineering Technologist and Technician.
- Member for Environmental Management Sectorial Coordination
- Key contact person for RP for NEA-INCUBATE programme
- 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

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

- 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.
- Analysis of collected data to understand residents' behaviours towards recycling and retained usage of **Sembcorp's** recycling app through public engagement.
- Design of bat boxes with **National Parks Board** that would encourage insect-eating bat species at Pulau Ubin to roost and thrive.
- Project advisor for Sustainability (reporting) project and Capstone environmental services project in Diploma in Applied Science (Environmental Services and Management)

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

Sustainability Experience: 8 years

LING SIEW HUI

- Supported office-wide paper and water reduction drive in order to reduce wastes
- Supervised student team working on logistics industry project on waste identification and sustainable improvement
- 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 has 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 Singapore Management University, as well as Certificate in Sustainable Finance from Nanyang Business School, Nanyang Technological University. 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

SKY SEOW

Electric / Hybrid Vehicle Service & Maintenance Training Program Development

Initiated setup of training centre for K-Tech in Dec 2019 to conduct high energy vehicle training programs. Accredited by Institute of Motor Industry, IMI (UK) to become Approval Centre in Singapore to offer Level 1 to Level 3 International Awards of qualifications to automotive industry in Singapore. Provide consultancy and advisory on facilities upgrade and SOP for workshops transformation, ready for EV service and maintenance.

Committee to ITE-WSP-Automotive

Advise on development of Work-Study Diploma on Automotive Engineering. Developed Curriculum and On-job-Training (OJT) blueprints for various workplace. Provide Coaching and Mentoring for student development.

Area of Expertise: Electric / Hybrid Vehicle Services

Sustainability Experience: 3 years

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 Nanyang Technological University - 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 evaluation of cool paint for buildings, development of self-cleaning additives for paints, battery materials and 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