

## Speakers Profile



**Name** : Dr. TAN YEW AI

**Position before retirement** : Head of Sustainability, Conservation and Certification Unit, MPOB

**Specialisation** : Analytical Chemistry, Environmental assessment

### UNIVERSITY EDUCATION

University of London B.Sc. (Hons), Chemistry and Zoology

University of Science Malaysia M.Sc., Organic Chemistry

University of Malaya Ph.D. Chemistry/Physics

### Working Experience :

37 years (1979 – May 2016) in palm oil research (Palm Oil Research Institute of Malaysia/ Malaysian Palm Oil Board).

### Area of Research

- Method development – chemical as well as instrumental, development of new instruments for oil palm fruits and palm oil analysis, Laser-induced fluorescence, antioxidants, phenolics in palm oil and palm fruits, phenolics from aqueous by-products of milling
- Environmental assessment including Life Cycle Assessment (LCA) of palm products
- Sustainable development of the oil palm business

### Committee Involvement

- MPOB/Malaysia representative – Codex Alimentarius Committee on Fats and Oils (2006 – May 2016)
- MPOB /Malaysia representative for ISO/TC 34/SC 11 –Animal and vegetable fats and oils (2001 – 2013)
- MPOB Representative – SIRIM Technical Committee on Climate Change (2014- - May 2016)
- Technical Working Group on Harmonisation of Standards in the Council of Palm Oil Producing Countries (CPOPC) set up by government of Malaysia and Indonesia to ensure price stability and develop downstream industry, an Indonesian minister said (2015- May 2016)

### Publications/Patents

- 22 Patents filed
- > 100 papers in journals, proceedings and book chapters

### International Awards

- The Tech Museum Awards 2002 (United Nations Millennium Project)
- Intel Environmental Award 2002
- Far Eastern Economic Review Asian Innovations Awards 2001 – Finalist

## Speakers Profile



<b>Name</b>	: Dr Stellios Plainiotis
<b>Current position</b>	: NEAPOLI / Environmental Design & Engineering
<b>Previous work</b>	: EU Malaysia Chamber of Commerce and Industry
<b>Specialisation</b>	: Analytical Chemistry, Environmental assessment
<b>Education</b>	: Phd in Computational Fluid Dynamics (University of Greenwich, London) : MSc in Virtual Environments (University College London) : MSc in Environmental Design and Engineering (University College London)
<b>Website</b>	: <a href="http://neapoli.com.my/">http://neapoli.com.my/</a>

Stellios is the Chief Executive Officer of NEAPOLI. With almost 15 years of industry and academic experience in the fields of Energy and the Environment, he was the co-author of the first Chinese Guidebook on Sustainable Building Design: "Design for Sustainability", which is now used as a textbook at the Tonji University, Shanghai and the University of Nottingham (UK).

Prior to moving to Malaysia, Dr Stellios held a P/T lecturing position at the University of Greenwich in London and headed the R&D Department of ZEF (UK) Ltd, leading the energy and environmental design of some of the most prestigious projects in Europe and the Middle East, including Hoxton Square in London and the Issam Fares Institute (IFI) at the American University of Beirut with Zaha Hadid Architects, Crystal Palace Park Masterplan (London), Žižkov Masterplan in Prague (Hamiltons London) and Rohansky Ostrov Masterplan, Prague (KPF Architects). In Malaysia his projects include the new KLIA2 LCCT (with LKMD Architecture), the new upcoming SURIA extension at KLCC (with Cesar Pelli) and the new PKNS Headquarters with Veritas Design Studio. He has been a CIBSE member since 2001, an Associate Member of the Malaysia Green Building Confederation (MGBC) since its establishment in 2009 and a certified Green Building Index (GBI) facilitator since 2010.

From 2010 to 2016 Dr Stellios Plainiotis served as a Director of the EU-Malaysia Chamber of Commerce & Industry (EUMCCI) and represented the European Union in Malaysia as the head of the Green Buildings Committee.

## Speakers Profile



### Gregers Reimann

Current position : IEN Consultants - energy efficiency and green building design consultancy  
Committee work : Chairman of the Green Building committee, EU Malaysia Chamber of  
Specialisation : Energy efficiency, daylight and glare  
Education : MSc in Energy Engineering (Technical University of Denmark)  
Website : [www.ien.com.my](http://www.ien.com.my)

Gregers Reimann is the managing director of IEN Consultants, the pioneering green building consultancy in Malaysia, with offices in Singapore as well as China. He specialises in building designs that have good daylighting, are highly energy efficient and have excellent thermal and visual comfort.

Key project references during his 11 years of working in Asia include the and the GEO Building designed to be a zero energy office building, ST Diamond Building (2012 ASEAN Energy Award winner) and the KKR2 office building, the only two buildings in Malaysia to be awarded GBI NRNC Platinum, the highest green building certification. Other projects include the include the KLIA2 airport terminal, Setia City Mall (first green certified shopping mall in Malaysia, the KL Eco City, and the Pertamina Energy Tower – the first skyscraper designed to be ZERO energy. Not to mention a zero energy bungalow in Subang, designed with an innovative natural cooling system eliminating the need for air-conditioning.

Key retrofit works include the EECCHI office, where the measured energy consumption dropped by 53%, and the ongoing retrofit of the three buildings and the National University of Singapore with a 50% energy reduction target.

Gregers has also been a technical reviewer for the EU Energy-Efficiency Buildings project and is the Chairman of the Green Building committee under the EU-Malaysian Chambers of Commerce and Industries (EUMCCI).

Gregers regularly contributes to green building articles and frequently guest lectures at universities internationally. He has a keen interest to pursue innovative and integrated design solutions bridging the gap between architects and engineers. Gregers is also 'walking the talk' with respect to green living habits, which includes commuting to work by a foldable (electric) bicycle that combines easily with public transport.

## Speakers Profile



### Theodore Galanos

- Master of Science Industrial Ecology – Industrial Building, Leiden – TU Delft University, Amsterdam
- Master of Science Mechanical Engineering of Production & Management, Technical University of Crete, Greece
- Bachelor of Science - Mechanical Engineering of Production & Management, Technical University of Crete, Greece

Theodore is a Sustainability Consultant working on various green building and sustainability projects and also heads the Research & Development department at NEAPOLI. In this department, he carries out various types of building simulations such as Fluid Dynamic and Dynamic Energy Modelling to analyse and study building performance. He is a holder of a Master's degree in Industrial Ecology from the Technical University of Delft, Netherlands. Previously he has worked as a Product Developer in Interbanking Systems DIAS and as a Quality System Engineer in SAIPEM (ENI). He has conducted Life Cycle analysis for projects appointed by the Malaysian government and AIRBUS. He has also worked intensively in researching the 2nd generation biofuel opportunities in Malaysia and was a visiting scientist at University Putra Malaysia. Driven by his strong connection with the principles of Sustainability and their implementation in the built environment, he then joined NEAPOLI to share his experiences and contribute further in shaping the green developments in Malaysia.

## Speakers Profile



### Perumal Nagapushnam

As an Eco Green Architect and Net Zero Energy Architect, he has experiences in managing many building to attain the certification for green sustainability. He is a specialist in Project Management with years of working as a QS, at supervision at the site, managing construction sites as a contractor and having worked in the many varied sectors of engineering, construction and in designing makes him a suitable candidate to manage the team and lead the team in the total integrated approach to designing and procurement system much needed experience for Net Zero and Green Architect.

He was Born in 1956 in Ipoh, Perak, Malaysia

His Education & Qualification Net Zero Energy Architect, as were locally trained and turned down an Oxfordian studies program due to financial constraints, with much regret latter in his years of life.

His Knowledge of Software as Net Zero Energy Architect, is impressive which are as follows: He area of Specializations as Net Zero Energy Architect, are in the following area:

1. B Sc in HBP and Post Grad Dip Architectural Design experience
2. Exceptional knowledge in Auto cad and ability to work in a team environment
3. Strong organizational time management & multitasking skills
4. Excellent verbal and written communication skills
5. Familiarity in designing for GBI, Leeds, Mark and Net Zero Buildings (Ashrae 2020), Green and Net Zero Architect studies

His Knowledge of Software as Net Zero Energy Architect, is impressive which are as follows:

Proficiency in Energy Model Analysis, solar path, wind, heat transfer analysis)  
Ecotect, Vasari (wind analysis, CFD Study), Google Sketch Up, IRender (3D rendering software), 3D modelling.  
Auto-cad, 2D Auto-cad, Photoshop, Microsoft (Paint, Excel and Word), MS Project

His area of Specializations as Net Zero Energy Architect, are in the following area:

Net Zero Energy Building Designs,  
GREEN & Sustainability designs, (Green Building Index, Green Mark, LEEDS)  
Design Of High Rise Commercial buildings,  
Interior Design  
Project Management  
Building Construction and Supervisions  
Eco-Green Architect, with designs of eco hydrology, green infrastructure  
Net Zero Energy Architect

His Job Responsibilities over the years have been broad and much varied such as the following:

1. Able to make decisions and recommendations that are authoritative and recognized, which has an important impact to the architectural activities
2. Able to demonstrate creativity, foresight and contrive mature judgement in solving architectural problems
3. Determine project objectives and requirements and conduct client consultant meeting, technical meetings and Site meetings, issue instructions to contractor and manage the projects from the inceptions to the issuance of CCC of completed building.
4. Involved in the analysis of the client problems in contriving and developing architectural solutions to those problems
5. Coordinate and mentor staff and project level employees
6. Managing all aspects of client relations including attending meetings
7. Perform all assigned duties
8. Eco-Green and Net Zero Architect