

# SCHEMA Workshop

## Participant Bios



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Name: Associate Professor Dr. Ahmad Fariz Mohamed  
Organisation: Institute for the Environment and Development (LESTARI),  
Universiti Kebangsaan Malaysia  
Position: Senior Fellow  
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Ahmad Fariz obtained his PhD in Environment Management System majoring in Environmental Management System (EMS) and hazardous waste management from Universiti Putra Malaysia, Malaysia in 2007. He also was conferred MSc. in Environmental Science from University of East Anglia, United Kingdom, 1998 and B.Sc. (Hons) in Ecology from Universiti Malaya, Malaysia, 1994. He has 20 years of experience in teaching and research in waste management, industrial metabolism and industrial ecosystem for sustainability. He also involved in research on urban livability, transfer of clean technology, industrial pollution management and prevention as well as industrial ecology. His other research interests include issues on environmental policy and industrial development, with a focus on industrial planning and decision making process, and industrial distribution and its impact to the environment and human health. He currently holds a position as the Associate Professor at the Institute for The Environment and Development (LESTARI), Universiti Kebangsaan Malaysia.

Key interests: Waste Management, Urban Livability, Industrial Ecology, Cleaner Production

Name: Dr. Andrew Flynn  
Organisation: Environmental Policy and Planning, School of Geography and Planning  
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Position: Reader  
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Andrew Flynn has background in policy analysis and environmental geography. His main interests revolve around the making of policy on sustainable development, the implementation of policy and its evaluation. Particular interest have included policy issues our energy from waste generation, and eco-cities, governance and sustainable life-styles in Asian eco-city developments. He is also involved in the Global Innovation Initiative project which compares and contrasts options for using green infrastructure to enhance urban sustainability between US, UK and Indonesia applying a critical regionalism approach. In Cardiff Andrew is an affiliate of the Sustainable Place Research Institute and is also Co-editor of the Journal of Environmental Policy and Planning.

Key interests: Green Infrastructure, Environmental Policy and Governance, Sustainable Development

Name: Ariani Dewi Widodo, MD, PhD  
Organisation: Harapan Kita Women and Children Hospital Jakarta  
Affiliation/Networking Hospital of the Faculty of  
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Position: Faculty  
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Dr. Ariani Dewi Widodo is a pediatrician working in the field of Pediatric Gastrohepatology. As common pediatric gastroenterology problems are closely related to the environment and sanitation, she is very much interested in how a sustainable conducive environment can prevent childhood morbidity and promote health. She has just obtained a PhD in Medicine about persistent diarrhea in children, and have received several awards and grants for her previous researches. She is very much interested in collaboration with experts and researchers from other countries on urban and environmental health, especially in complicated, large cities like Jakarta.

Key interests: Health, Children, Environmental Health, Sustainability

Name: Dr. Azmizam Abdul Rashid  
Organisation: Urban Wellbeing Centre of Excellence (URBANICE  
Malaysia)  
Federal Department of Town and Country Planning,  
Peninsular Malaysia  
Position: Senior Urban Planner  
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Azmizam Abdul Rashid works in the Interim Team in Urban Wellbeing Centre of Excellence (URBANICE Malaysia) under Federal Department of Town and Country Planning, Peninsular Malaysia, Ministry of Urban Wellbeing, Housing and Local Government. He holds a Doctor of Philosophy (PhD) in Development Science (Urban Economic) focus on The Efficient Urban Governance to Enhance Economy Competitiveness in City-Region. He has over 20 years of experience in urban and regional planning, with major involvement in Land-use Planning, Development Planning, Sustainable Development Goals, Sustainable City and Healthy City Programme. He also attended an attachment programme with Globalization and World Cities (GaWC) Network, Loughborough University, United Kingdom in 2009. His research on urban governance and sustainable cities has been published in various local and international journals including Malaysian Townplan Journal, GEOGRAFIA - Malaysian Journal of Society and Space, Global Journal of Human Social Science Arts & Humanities, World Applied Sciences Journal (WASJ), Asian Profile, Asia's International Journal, and Asian Social Science.

Key interests: Sustainable Development Goals, New Urban Agenda, Sustainable City, Healthy City

Name: Dr. Bala Murali a/l Sundram  
Organisation: Environmental Health Research Centre (EHRC),  
Institute for Medical Research (IMR)  
Position: Public Health Physician and Researcher  
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Bala Murali Sundram works in the Institute for Medical Research (IMR) on projects including “The Impact and Projection of Flooding and Sea Level Rise due to Climate Change on Healthcare Facilities in Malaysia”, “Assessing the Health Benefits of Air Pollution Reductions Associated with Climate Change Mitigation”, “Assessing Effects of Climatic Factors on Dengue Incidence in Malaysia” and “Isolation and Characterisation of Pathogenic Leptospira from Human, Animals and Environment in Various Localities in Selangor and Wilayah Persekutuan.” He is also in the Technical Working Group for Vulnerability and Adaptation and the Research and Systematic Observation for the 3rd National Communication and Biennial Update Report in which Malaysia is a signatory to United Nations Framework Convention on Climate Change (UNFCCC). His research has been presented in international conferences, and published in ISI journals in the field of public health and occupational health and as a book with Scholars’ Press. He is currently a member in the Malaysian Medical Council.

Key interests: Environmental Health, Climate Change and Health, Sustainable Environment, Occupational Health

Name: Dr. Barry Newell  
Organisation: The Australian National University  
Position: Honorary Associate Professor, Fenner School of  
Environment and Society  
Honorary Associate Professor, Research School of  
Engineering  
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Barry Newell is Visiting Research Fellow at UNU-IIGH. He is a physicist with a focus on the nature of sustainable social-ecological systems. He has extensive experience in industrial process improvement, including work with the Ford Motor Company, and Rio Tinto’s Argyle Diamond Mine. His research for the last 20 years has focused on the development of practical approaches to social learning and transdisciplinary research. This work, carried out in collaboration with Dr. Katrina Proust, blends system dynamics, history, and cognitive linguistics. Together Newell and Proust are developing a practical system-analysis approach called Collaborative Conceptual Modelling (CCM). CCM has been used successfully with student, community, academic, industrial, and professional groups to promote effective communication and improved learning about system causation, particularly in the urban health arena.

Key Interests: System Dynamics, Social Learning, Sustainability, Planetary Health.

Name: Dr. Brian MacGillivray  
Organisation: Sustainable Places Research Institute  
Cardiff University  
Position: Research Fellow  
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Dr Brian MacGillivray is an environmental social scientist, and a research fellow at CU-PLACE. He has expertise in methods of risk and decision analysis, in the geography of knowledge production and use, and in the application of risk and resilience tools in industrial sectors and government decision making. He has published in high impact journals (e.g. Global Environmental Change, Environment International), and his work has been referenced by international regulatory agencies (e.g. the US EPA, the UN Stockholm Convention, and the UK Hazardous Substances Advisory Committee). He has significant experience of collaborating with non-academic research partners (e.g. the Met Office, South Australia Water, United Utilities), and of coordinating multi-disciplinary groups (e.g. as co-convener of the international conference “Challenging models in the face of uncertainty,” University of Cambridge, 2010). He is a research co-investigator for the Newton Trust Resilience to Earthquake-induced landslide risk in China project.

Key Interests: Risk and Decision Analysis, Place-Based Approaches, Science-Policy Interface

Name: Professor Dr. Chan Ngai Weng  
Organisation: Universiti Sains Malaysia – School of Humanities  
Position: Professor  
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Chan Ngai Weng is a professor at the Universiti Sains Malaysia in Penang, Malaysia. He is active in lecturing, research and writing and NGO work. He is also a consultant in the field of Hydrology, Climatology, Environment and Water Resources Studies. He has taught as a Visiting Professor at the Asian Institute of Technology (2006/2007) and at the University of Memphis, USA (2000/2001). He was previously a Vice-President of the International Water Resources Association, and a Member of International Association of Hydrological Sciences and Member of International Water Association. He is active in civil society work related to water resources management, being currently President of Water Watch Penang (WWP), Treasurer of Malaysian Environmental NGOs and a member of Malaysian Water Partnership and Malaysian Water Association. He has completed more than 50 research/consultancy projects and published 26 Books, 59 Chapters in Books, and more than 100 professional papers in journals.

Key interests: Climatology, Water Resources & Hazards Management, Urban Environmental Management, Environmental Sustainability

Name: Dr. David Tan  
Organisation: United Nations University – International Institute for Global Health  
Position: Research Officer  
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Dr. David Tan, a Malaysian national, joined UNU-IIGH as a Research Officer for a project on green infrastructure and urban health sponsored by the Newton-Ungku Omar Fund. He has a PhD in Civil Engineering from the University of Minnesota where he conducted his dissertation and postdoctoral work on the degradation of estrone in biological wastewater treatment systems. He has also collaborated on research on antibiotics and antibiotic resistance genes in wastewater treatment and served as a Highlights Editor for the journal *Environmental Science: Water Research & Technology*. Prior to joining UNU-IIGH, he had a stint as an internal consultant for a program at the intersection of academia and industry, evaluating and managing projects in water and wastewater treatment. David's research focus is on how the complex issues of environmental sustainability and urban health problems can be evaluated and overcome through systems approaches and placed-based thinking.

Key interests: Systems Thinking, Urban Health, Environmental Engineering, Sustainability

Name: Ar. Dominic Chuo  
Organisation: Arkitek DChuo  
Position: Principal  
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Dominic Chuo is principal architect of Arkitek DChuo, and managing director of an environmental firm, Azam Bumi Sdn Bhd. Prior to this, he served in the Sarawak Public Works Department for 15 years. He graduated with 1st class honours, Bachelor of Architecture, from University of Melbourne, and also holds a Diploma of Investment Analysis and Masters of Environmental Management (Development Planning) from University of Malaysia Sarawak. His work includes government development projects such as sports complexes, offices, industrial, ports, solar farms and livestock farming areas. He presented a paper, "Social Impacts of Borneo Highland Resort" at the International Conference on Environment and Natural Resources 2005 in Kuching.

Dominic is active in several NGOs and has served as President, Association of JCI Senators of South East Asian Nations, Board member of Angkatan Zaman Mansang (AZAM) and Committee member of Sarawak Chamber of Commerce and Industry SCCI, and is also a keen wellness and natural health advocate.

Key interests: Green Design, Environmental Sustainability, Heritage Conservation, Social Service.

Name: Evelyn Teh  
Organisation: Urban Studies - Penang Institute  
Position: Senior Analyst  
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Evelyn joined the Penang Institute in 2015 as a senior analyst in the Urban Studies department. Penang Institute is a public policy think tank advisory to the Penang State government. She holds a BSc in Marine Biology and M(Tech) in Environmental Management. In 2007, she joined ReefBase - the team behind the world's main information system for coral reefs. ReefBase is part of WorldFish, under the Consortium of International Agricultural Research Centers (CGIAR). In 2009, Evelyn was a researcher at the Maritime Institute of Malaysia (MIMA); a national focal point for research in maritime sector and marine environment. In 2012, Evelyn joined the Danish Hydraulic Institute (DHI) as an environmental consultant, conducting on Environmental Impact Assessment for reclamation and port construction projects. Evelyn's work currently focuses on the environmental aspect of urbanization, where she undertakes studies on solid waste management, ecosystem conservation and sustainable development in the state of Penang.

Key interests: Urban Planning, Blue-Green Infrastructure, Environmental-Social Justice, Sustainable Development

Name : Firdaus Nisha Muhammad Faizal  
Organization : Ecocentric Transitions  
Position : Founder & Managing Director  
Email : [nisha@ecocentrictransitions.com](mailto:nisha@ecocentrictransitions.com)



Nisha founded Ecocentric Transition with her partner Lymun as an effort to engage Malaysians in living environmentally conscious, low impact, and as proactive citizens. The focus of their workshops and projects are on eco literacy, collective action and esteem building.

As an engineer by training Nisha realises that human factors plays a key role in redesigning the system and to compel behaviour change.

Having worked across Humanitarian aid, oil & gas, outdoor adventure, education, sustainable landscaping, resident's sustainability programs and Corporate Social Responsibility, Nisha has developed a unique perspective in developing localized solutions that bring people together in implementing change.

In 2015 Nisha was recognised by MIT under the Malaysia Sustainable Cities Program by Prof Laurence Susskind in the Female Faces in Sustainable Places project, by The Body Shop (M) for International Women's day and by The Edge newspaper, Making Malaysia Better for the work she does through Ecocentric Transitions in 2016.

Key interests: Facilitation, Experiential Learning, Community-Based Programing and Process Improvement.

Name : Dr. José Siri  
Organization : United Nations University – International Institute for Global Health  
Position : Research Fellow  
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Jose Siri is a Research Fellow at the United Nations University's International Institute for Global Health in Kuala Lumpur, Malaysia. His work focuses on the use of systems thinking to improve decision-making around urban health and wellbeing, including research on the role of urban complexity in health and input on the central place of health in global policy processes for urban development. He works closely with the International Council for Science's global interdisciplinary programme on systems thinking for urban health, and is a co-founder and steering committee member for the LAC-Urban Health network for research on urban health in Latin America. Dr. Siri received a PhD in infectious disease epidemiology and a Masters of Public Health in international health at the University of Michigan, and completed post-doctoral work at the International Institute for Applied Systems Analysis.

Key Interests: Systems Thinking, Urbanization, Planetary Health, Transdisciplinarity

Name: Kamariah Ibrahim  
Organisation: Federal Department of Town and Country Planning, Peninsular Malaysia  
Position: Director of Research and Development Division  
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Kamariah Ibrahim is the Director of Research and Development Division, Federal Department of Town and Country Planning, Peninsular Malaysia, Ministry of Urban Wellbeing, Housing and Local Government. She graduated from University Technology of Malaysia with a Bachelor's Degree in Town and Regional Planning, and has over 30 years experiences in urban and regional planning with major involvement in Landuse Planning, Development Planning, Planning Laws, Sustainable City, Safe City Programmes and Healthy City Programmes. Her major contributions in urban planning and development are:

- Study team for the Planning of New Government Administration of Putrajaya, 1997-2000.
- Coordinator for the Amendment of Town and Country Planning Act 1976 (Act 172), 2005-2007
- Director of State Planning of Negeri Sembilan, 2011-2014.
- Coordinator for the Malaysia Sustainable Cities Study (MURNInets), 2014 – present
- Coordinator for the Malaysia Sustainable Cities Award for World Town Planning Day, 2014 – present
- Coordinator for Planning and Development for 1Malaysia Youth City (1YMC) in Tanjung Malim, 2015 – present.

Key interests: Planning Laws, Youth City, Community Planning, Healthy City



Name: Dr Katrina Proust  
Organisation: The Australian National University  
Position: Visiting Fellow  
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Katrina Proust is a Visiting Research Fellow at UNU-IIGH. She has a background in environmental and applied history, and complex human-environment systems. Her work focuses on the historical factors and the feedback dynamics that shape relationships between humans and our environment. She is particularly interested in the interconnected systems that comprise urban communities. Her research has included a dynamical history of the social and biophysical factors that influenced irrigation development in India and south-eastern Australia from the 19th century. Since 2011 she has focused on the cross-sector feedback issues that affect population health in urban settings. She has contributed to the work of the International Council for Science (ICSU) in the Regional Office for Asia and the Pacific (ROAP), including the ROAP Science Plan on Health and Wellbeing in the Changing Urban Environment: a systems approach.

Key interests: History, Systems Thinking, Urban Health, Transdisciplinary Research

Name: Khairul Anuar bin Mhd Juri  
Organisation: Kuala Lumpur Tourism Bureau  
City Hall of Kuala Lumpur  
Position: General Manager  
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Born and raised in Batu Pahat, Johore, Khairul Anuar is dedicated, open minded and friendly. He has worked through 7 different departments in City Hall of Kuala Lumpur, and is the key person in DBKL's Strategic Planning and HR Strategic Planning. He has an excellent track record of services in DBKL where he received the Excellence Service Award in 2004 & 2015 and Excellent Award Medal in 2015. He has been a trainer for over 10 years in subjects of Human Resources, Organizational Development & Change, Strategic Management, Marketing Management and Leadership. Additionally, he is active in sharing his knowledge as a part time lecturer for Executive Diploma, Executive Bachelor Degree & Executive Masters. His MBA has provided critical training in strategic planning, marketing and organization development. He is also actively involved in public participation activities as the Coordinator for Local Agenda 21 Kuala Lumpur.

Key interests: Systems Thinking, Strategic Management, Public Engagement, Sustainability

Name: Lai Chee Hui  
Organisation: Penang Green Council  
Position: Researcher  
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Lai Chee Hui, a Malaysian national, he has a bachelor degree in Environmental Technology from Universiti Malaysia Terengganu and a master degree in Geography from the Universiti Sains Malaysia. He joined Penang Green Council as a Researcher in 2016 with the responsibility of developing the Penang Green Agenda (formally known as Penang Sustainable Development Agenda), which is to developing strategies to make Penang a green and sustainable state by 2030 by incorporating the United Nation Sustainable Development Goals. Apart from doing research for his current organisation, Mr. Lai is also actively involved in non-governmental organisation's activities to raise public awareness on water issues in the country. He was the Malaysian delegates to the 4<sup>th</sup> Asia Pacific Youth Parliament for Water. His research focuses in the field of sustainable development and water management, particularly focusing in stakeholder engagement in sustainable development.

Key interests: Sustainability, Environmental Governance, Stakeholder Engagement, Participatory Approach



Name: Maggie anak Tomeng  
Organisation: Kuching North City Hall  
Position: Division Head of Geoinformation & Properties Management  
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Name: Professor Mike Bruford  
Organisation: School of Biosciences  
Cardiff University  
Position: Professor  
E-mail: [brufordmw@cardiff.ac.uk](mailto:brufordmw@cardiff.ac.uk)



Mike is a molecular ecologist interested in studying the demographic and evolutionary processes in endangered species. His group focuses on understanding the determinants of genome diversity and structure over a variety of spatio-temporal scales, from examining the movements of individuals within territories to studying the impacts of social structure on genetic diversity in fragmented ecosystems to studying species throughout their range with continent-wide dispersal patterns. Mike uses methods such as forensic DNA profiling through to whole genome sequencing and we integrate these data with landscape analysis (GIS) and genealogical modelling in an effort to provide comprehensive information for biodiversity management and conservation.

Key interests: Biodiversity, Green Infrastructure, Health Consequences (both positive and negative)

Name: Nasha Lee  
Organisation: United Nations Development Programme  
Position: Environmental Assistant- Climate Change and Energy  
Email: [nasha.chia.hwee.lee@undp.org](mailto:nasha.chia.hwee.lee@undp.org)



Nasha Lee has a Master's degree in Environmental Change and Management from the University of Oxford, where she was a Commonwealth scholar.

Nasha's work in UNDP focuses on providing policy-oriented and technical advisory support to the Malaysian government on the implementation of the Sustainable and Resilient Development agenda. She supports the Climate Change and Energy portfolio, which focuses on low carbon cities, energy efficiency in the building and industrial sectors, renewable energy and the sustainable management of the waste and chemical sectors.

Prior to joining UNDP, she was a sustainability consultant with background in environmental impact assessment.

Key interests: Low-carbon infrastructure, Climate Change, Energy, Rural Electrification

Name: Natalie Small BSc MSc FRGS  
Organisation: Sustainable Places Research Institute  
Cardiff University  
Position: Research Associate  
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Prior to joining Cardiff University, Natalie worked in industry where she led a number of ecosystem service modelling projects, which included developing a spatial framework for assessing evidence needs for operationalising ecosystem approaches and developing ecosystem service mapping systems to assist policy makers in taking an ecosystems approach in their decision making.

Natalie was involved with the NERC-funded DURESS program led by Cardiff University, which focused on upland river ecosystem service sustainability. Her research focused on using GIS to examine freshwater ecosystem services, land-use/land-cover change and valuation. Natalie has been progressing in defining, assessing and valuing cultural ecosystem services by examining the challenges in valuing ecosystem services that have no material benefits.

More recently, Natalie is looking into the opportunities and possibilities of using remote sensing to examine plant traits and monitoring vegetation condition, in particular trees. Her areas of interest are urban green infrastructure and upland riparian zones.

Key interests: Ecosystem and Cultural Services, Land-Cover Land-Use Change and GIS, Green Infrastructure, Spatial Data

Name: Dr. Nordin Bin Saleh  
Organisation: Sarawak Health Department  
Position: Deputy Director for Public Health  
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Dr Nordin Saleh is a Public Health Physician and currently works as the Deputy Director for Public Health, Sarawak Health Department since September 2016. He graduated as a medical doctor from the University Kebangsaan Malaysia in 1987, obtained his MPH from the University of Philippines in Manila (1992) and Master in Primary Health Care Management from Mahidol University in Bangkok (1994).

Prior joining the State Health Department, he was the head of the Health Policy and Planning Unit, Planning Division, Ministry of Health for 5 years. During his tenure, he spearheaded the development of the national 5-years health sector plan, the Strategic Plan for the Ministry of Health and the Master Plan for Human Resources for Health. From 2001-2011, he was the Head of Health Policy Studies and Analysis Division at the Institute for Health Systems Research, Kuala Lumpur.

Key interest: Population Health; Health Systems Research; Quality in Health Care

Name: Normaira Abdul Rahman  
Organisation: Municipal Council of Seberang Perai  
Position: Head of Division – Butterworth Baharu Regeneration Project  
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Miss Normaira is Head of Division of Butterworth Baharu Regeneration in Municipal Council of Seberang Perai (MPSP). She has a Master in Public Administration from University Science Malaysia. She is also secretary of the Women's Association in the Municipal Council. She works closely with private sector and NGO's based on 4Ps (Public, Private, People, Partnership) towards Butterworth Baharu Regeneration Project which has four intervention areas: Old Town Butterworth, Waterfront Area, Rehabilitation of Perai River and Action Plan Penang Central as A Transportation Hub. She believes that investing in the urban regeneration of Butterworth Town community will bring multiplier effects through social and economic benefits. In this project, community engagement and place making are key ingredients to success. With the motto, "A city without activity is a city without soul," MPSP seeks to develop a strong sense of community and place identity through the Butterworth Baharu Regeneration Project.

Key interests: Urban Regeneration Plan, Local Government Sustainability, Community Engagement, Placemaking

Name: Nurshazwani Osman  
Organisation: KW Associate Planners Sdn. Bhd.  
Position: Town Planner  
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Nurshazwani Osman is a fresh graduate student from University of Malaya in Bachelor Degree of Urban and Regional Planning and works as a Town Planner at KW Associate Planners Sdn. Bhd. based in Shah Alam, Selangor. She has been actively involved in projects, public hearings, conferences and seminars related to sustainable development. Additionally, she is actively involved as a facilitator for workshops and public participation with the community for local governments, namely Subang Jaya Municipal Council (MPSJ), and Shah Alam City Council (MBSA); government-linked groups including PRASARANA; and private sector bodies, such as Sime Darby Property and Malaysian Institute of Planners (MIP). Currently, she is conducting research on Urban Sprawl in relation to Healthy Citizens. Her research focus areas are environmental planning, social inclusion and creating a healthy living environment.

Key interests: Sustainability, Environmental Planning, Low Carbon Cities, Urban Management

Name : Oon Khar Ee Christina  
Organisation : Penang Institute  
Position : Analyst  
E-mail : [christina.oon@penanginstitute.org](mailto:christina.oon@penanginstitute.org)

Christina Oon is an Analyst working within Urban Studies research cluster in Penang Institute. She received a bachelor's degree in Social Sciences (Development Planning and Management) from Universiti Sains Malaysia (USM). Since her admission at USM, she has been actively involved in many research projects at Penang Institute, with mygeorgetown numbering among the notable projects. Currently, she is pursuing a Master's degree in Social Sciences (Development Planning and Management) in USM. Her research interests include small public urban green spaces, tactical urbanism, livable cities and quality of life. After joining Penang Institute, her first project was Penang's first Park(ing) Day 2015. She recently completed a project titled 'Chairs' as part of George Town Festival 2016. Her current research projects concern health and wellbeing of urban green spaces.



Key interests: Public Space, Urban Green Space, Sustainable Urban Development and Liveable Cities.

Name : Dr. Ova Candra Dewi  
Organisation : Bina Ekonomi Social Terpadu / Universitas  
Indonesia,  
Engineering Faculty  
Position : Strategy Manager / Lecturer  
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After finishing her PhD in Germany in 2013, Ova joined the BORDA/LPTP NGO in Indonesia. Her work focuses on urban and waste management in urban area, especially in relation to low carbon eco-cities. Ova also works part time as a lecturer and is actively involved in community engagement programs. Currently Ova works for Bina Ekonomi Social Terpadu (BEST), a local NGO that has specialty on community-based waste and wastewater management as strategy manager. She is also a lecturer in Universitas Indonesia, Engineering Faculty, Architecture Department, and facilitates the Masters Degree Program in Sustainability and Architecture. Apart from her jobs, Ova is active in urban farming (verticulture) activities with her community, called Tandur. Ova is an expert for environment-related community-based projects.



Key interests: Urban and Waste Management, Sustainability and Low-Carbon Cities, Urban Farming, Community Engagement

Name : Phubalan R.Karunakaran  
Organization: World Wide Fund for Nature Malaysia (WWF-  
Malaysia)  
Position: Manager, Earth Hour City Challenge,  
E-mail: [pkarunakaran@wwf.org.my](mailto:pkarunakaran@wwf.org.my)



Mr. K.Phubalan is the Manager for the Earth Hour City Challenge programme for WWF Malaysia. He assists Malaysian cities in sustainability issues including the provision of policy and technical input for improving green living within these cities. Phubalan has worked for and with the United Nations Environment Programme, Asian Productivity Organization, United Nations Development Programme and many other international organisations to build a sustainable energy future. He holds a B.Eng. Degree in Chemical Engineering from University Teknologi Malaysia and also a MSc. in Environmental Engineering UPM (2001). He has conducted more than 30 energy audits and techno-economic feasibility studies in various sectors such as glass, cement, food, wood and many others. He is also the author of the Industrial Energy Audit Guidelines, a guide for identifying energy-saving opportunities for utilities in factories, as part of his previous work at Pusat Tenaga Malaysia, now known as Malaysia Green Technology Corporation.

Key Interests: Sustainable Cities, Greenhouse Gas Inventory Management, Energy Efficiency and Renewable Energy, Greenhouse Gas Mitigation

Name : Russell De'Ath  
Organization: Natural Resources Wales  
Position: Senior Adviser – Natural Resource Management  
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Russell De'Ath is a Chartered Town Planner now working for Natural Resources Wales - the National Government Agency and Regulator for the environment and natural resources in Wales (NRW).

He studied City and Regional Planning at Cardiff University before working in various roles in Environmental Planning, Countryside Management, and Regeneration. Over the years he has worked with a number of place-based initiatives to promote the use of green infrastructure in regeneration programmes – this has included work on making better use of natural assets for health benefit. He has worked on the implementation of the Ecosystem Approach in Welsh legislation, policy, and practice. He joined Welsh Government on secondment in 2012 and was instrumental in developing the thinking now enshrined in the Environment (Wales) Act 2016. This new law introduces a statutory planning framework for natural resource management in Wales, including an Area-based approach.

Key Interests: Systems thinking and area-based approaches, Strategic planning for green infrastructure, Well-being of Future Generations, Application of the Ecosystem Approach.

Name : Dr. Sara MacBride-Stewart  
Organization: School of Social Sciences  
Cardiff University  
Position: Senior Lecturer in Health Society and Medicine  
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Sara is a Senior Lecturer in the School of Social Sciences. She came to the University in 2005 to work as Research Fellow in CISHE (Cardiff Institute of Society Health and Illness), and gained her lectureship in 2007. She has worked previously as Postdoctoral Fellow and Lecturer at the University of Canterbury, New Zealand. Her PhD is from the Waikato University, New Zealand. She currently works on projects on gender and sustainable place-making, representations of dying well, equalities and sexualities, infertility and inequality, and medical professionalism. Until recently she taught in the Medical School, serving on the Undergraduate School Board as a member of various committees related to the teaching of the Primary MB. She is a core member of BeSST (Behavioural and Social Sciences Teaching) in Medicine group, is an HEA affiliate, and she has previously co-chaired the Sexualities and Gender Research Group in the School of Social Sciences and the Wales BSA MedSoc group.

Key Interests: Gender, Health and Wellbeing, Qualitative Methodologies, Equality/Diversity

Name: Shaari Ahmad Junid  
Organisation: Malaysian Association of Environmental Health /  
Local Agenda 21 Kuala Lumpur  
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Shaari Ahmad Junid is the Past President of the Malaysian Association of Environmental Health and is the current advisor to the Local Agenda programme City Hall of Kuala Lumpur. He has served 37 years with Kuala Lumpur City Hall (DBKL). He has a degree in Environmental Health from the University of Salford and a Diploma from the Royal Society Health UK. He is the recipient of 1<sup>st</sup> Award as Champion of Local Agenda for the Federal Territories of Malaysia and Excellence Contribution Award in individual category Local Agenda 21KL. He is also an advocator of healthy life style, tobacco-free environment and religious dialog.

Key interests: Environmental Health, City Sanitation, Sustainability and Communities engagement in LA 21 and its implementation in Kuala Lumpur.



Name: Associate Professor Dr. Shaharudin Idrus  
Organisation: Institute for Environment and Development (LESTARI)  
Universiti Kebangsaan Malaysia (UKM)  
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Shaharudin Idrus holds a Bachelors in Development of Science and a Masters of Environmental Management from Universiti Kebangsaan Malaysia (UKM). He is a Research Fellow and Senior Lecturer at the Institute for Environment and Development (LESTARI), Universiti Kebangsaan Malaysia. His fields of specialization include urban sustainability studies, sustainable urbanization, housing liveability, Geographical Information Systems (GIS), and sustainable schools. Current research projects include Preference and Accessibility to Goods and Services in Shaping A Liveable City in The Linggi to Bernam Mega-Urban Region: Case Seremban Municipality; Development of A Grounded Socio-spatial Urbanization Theory for Malaysia's Secondary City Region; An Investigation into the Forms and Processes of Counter-Urbanization for Liveable City: Case of Seremban Municipality in the Extended Mega-Urban Region; and Developing Metabolism Concept for Urban Sustainability. His extensive publications include "Searching for Small Towns Sustainability" (2006), "Environmental Change and Vulnerability in the Langat Basin" (2006), "Urban Livability" (2008), "Governance for Sustainability: Views from the Asia Pacific" (2009).

Key interests: Urban Health and Sustainability, Urban Livability, Ecosystem Approach, GIS

Name: Professor Shantini Paranjothy  
Organisation: School of Medicine  
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Position: Professor of Preventative Medicine  
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Shantini Paranjothy's research at Cardiff University focuses on perinatal and infant health inequalities, examining population-level data to understand these health outcomes. Her key roles include: Scientific Lead for HealthWise Wales, a national initiative funded by health and Care Research Wales to engage large numbers of people in Wales with health and social care research; executive member of the Farr Institute@CIPHER, where she led large-scale epidemiological analyses using routinely collected health and social data; and leader for the research theme on vulnerable babies in the Wales Electronic Cohort for Children (WECC), the first complete population e-cohort in the UK of 800,000 children, investigating social and environmental determinants of child health and social outcomes. In 2008 she set up the Welsh Study of Mothers and Babies (WOMBS) to study the significance of ultrasound markers detected during pregnancy for the health of the baby, with consent to follow up on the children in future studies.

Key interests: Cohort Studies, Prenatal health, Improving Child Health Outcomes, Large-Scale Epidemiology

Name: Professor Terry Marsden  
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Cardiff University  
Position: Director  
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Terry holds the established Chair of Environmental Policy and Planning in the School of Planning and Geography at Cardiff University. He is Director (since 2010) of the Sustainable Places Research Institute (PLACE), a £7 million investment by Cardiff University in interdisciplinary sustainability science research bringing together research excellence in the social, physical and natural sciences.

Terry researches the interdisciplinary social science and applied policy fields of rural geography, rural sociology, environmental sociology, geography and planning. He has published over 150 international journal articles, book chapters or books, including 20 research monographs and edited collections. This body of work ranges from original theoretical work in the field to empirical analysis and emerging policy impacts and analysis. It includes wide-ranging work on: socio-economic restructuring of agriculture; theorisations and empirical investigations of rural development; analysis of agri-food chains and networks; and critical commentaries in the emerging fields of environmental sociology and environmental planning. The empirical work has extended from the UK, Europe, Brazil, the Caribbean and now China.

Key Interests: Sustainable Place Making, Urban/Rural Development and Linkage, Green Governance

Name: Assoc. Prof. Dr. Uma Rani Sinniah  
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Universiti Putra Malaysia  
Position: Deputy Director  
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Dr. Uma, has a PhD in Agriculture (Seed Science and Technology) from The University of Reading, United Kingdom where she conducted her dissertation on Development and Storage of Seeds. She has been teaching at the Faculty of Agriculture, Universiti Putra Malaysia since 1997. Her specific interest is in the area of cryopreservation, i.e. storage of recalcitrant seeds under ultra-low temperature. To date she has published more than 100 papers in impact factor journals and has presented in various conferences. She also has tremendous experience in handling research and development projects and has supervised more than 30 PhD's and MSc candidates. She also has a product, developed together with industry, to help farmers reduce lodging in rice, thereby increasing yield. Her current portfolio at the University Community Transformation Centre focuses on Community Development through knowledge transfer from the University to the community. Dr. Uma's current involvement include projects on sustainable agriculture, recycling of waste and community empowerment.

Key interests: Seed Science, Cryopreservation, Sustainability, Community Engagement and Empowerment

Name: Professor Wouter Poortinga  
Organisation: Welsh School of Architecture  
Cardiff University  
Position: Professor  
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Wouter is a Professor of Environmental Psychology at the Welsh School of Architecture and the School of Psychology at Cardiff University. His research interests are in a wide variety of topics regarding human-environment interactions, including (1) environmental risk perception, (2) sustainable behaviours and lifestyles, and (3) housing, neighbourhoods and health. He has organised a number of comprehensive surveys of public opinion towards future energy options and climate change, and contributed to a research synthesis of the literature on public attitudes to environmental change. He is currently managing a research portfolio of Â£1.2M on the topic of housing, neighbourhoods and health. This includes projects on the health impacts of the Carmarthenshire Homes Standard (CHS) programme based on the Welsh Housing Quality Standard (WHQS), the health impacts and economic value of meeting housing quality standards (in which we further develop the Residential Environment Assessment Tool; REAT), and evaluation of structural energy-performance investments in low-income neighbourhood through the Arbed programme.

Key Interests: Neighbourhood Quality and Health; Sustainable Lifestyles and Behaviour; Public Perceptions of Climate Change

Name: Dr. Yi Gong  
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Medicine  
Cardiff University  
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Yi's research focuses on the relationships between environment and human health. As a health and environmental geographer, she integrate knowledge across disciplines (e.g. planning, geography, sociology, epidemiology, GIScience), and explore ways to develop a better understanding of (1) the interplay of social, economic and environmental factors in relation to human health, (2) the impact of place-making especially transport option and green space on health outcomes, and (3) the resilience and social vulnerability in relation to natural hazards and climate related disasters. Over the last five years, she has successfully developed research projects within these areas and attracted external research funding from ESRC, NERC, NSFC, and British Council Newton fund.

Key Interests: Green Space, Public Health, GIS and Spatial Modelling, Interactions between Environment, Health and Behaviour

Name: Dr. Zeeda Fatimah Mohamad  
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Position: Lecturer/Researcher  
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Zeeda Fatimah Mohamad, a Malaysian national, is a senior lecturer and researcher at the Department of Science and Technology Studies, Faculty of Science, University of Malaya. She holds a BSc. in Ecology from the Institute of Biological Sciences, Universiti Malaya; MSc in Environmental Management and Policy from the International Institute of Industrial Environmental Economics (IIIEE), Lund University, Sweden; and PhD in Science and Technology Policy from SPRU Science and Technology Policy, University of Sussex, United Kingdom. Zeeda's research focuses on the socio-technical relationship between the development of science, technology and innovation (STI) and environmental protection, particularly within the context of sustainable development and associated challenges to late-industrialising countries. Her research interests have converged into the emerging field of "Sustainability Science" – where she also delves into the area environmental ethics and philosophy (including the role of religion), education for sustainable development (ESD), campus sustainability, innovation for inclusive development and the heartware approach in sustainability transitions.

Key interests: Environmental/Sustainable Innovation, Socio-technical Innovation Systems Analysis, Sustainability Transitions, Education for Sustainable Development