

SPEAKER'S BIOGRAPHY

Mr. Steven Peck

Founder and President, Green Roofs for Healthy Cities – North America Inc

Steven Peck has spent the past 15 years conducting public policy research in the fields of technology innovation and diffusion, and urban sustainability. In 1999 he co-authored a major federal government report on barriers to green roof technology diffusion called "Green Backs for Green Roofs" – which got him started in the green roof business. Mr. Peck has since written numerous articles on green roof infrastructure and is currently heading up the development of the membership based not-for-profit Green Roofs for Healthy Cities industry association. Green Roofs for Healthy Cities lobbies for public green roof investment provides training for green roof design professionals, runs the Green Roof Awards of Excellence, and holds a major international conference each year with the 2005 conference being held in Washington, D.C. from May 4-6 (see www.greenroofs.org). He is the editor of the "Green Roof Infrastructure Monitor", a semi-annual publication that profiles green roof developments and research in North America and Europe and has implemented several green roofs in Toronto Canada. He enjoys an honors B.A. from McGill University in Political Science and Economics.

Ms Rayner Ng

Director, Ecoflora Pte Ltd

Ms. Ng Lay Yian, Rayner is the Director of Ecoflora (S) Pte Ltd whose principal portfolio is the management of the Commercial Division projects undertaken by Ecoflora. This is centered on landscaping, softscaping and the rental of potted plants and shrubs principally to the corporate sector. Whilst Rayner does not have a formal horticultural background, she has evolved into a capable administrator, organiser and coordinator embracing a strong PR content. She is supported by a team of professionals qualified in landscaping, architectural and horticultural disciplines. Over the past two years or so, she has devoted much time and effort in conjunction with Mr Heah Hock Heng, the Company Chairman, a qualified architect in developments incorporating greenroof extensive planting. The results achieved to date have been most encouraging.

Mr. Richard Tan

Managing Director, Garden and Landscape Centre Pte Ltd

Mr. Tan is the founder and owner of Garden & Landscape Centre, a private practice in landscape consultancy and construction. Formed in 1969, the firm was the pioneer firm in the landscape industry of Singapore. Mr. Richard Tan is also the Principal of EnviroSpace Consultants. He was responsible for the landscaping of many government complexes, commercial and office developments, hotels, education institutes, condominium developments and private residences, and landscape consultant for overseas projects in Seychelles, Mauritius, India, Malaysia and China, and among others. He has developed the GardenRoof System in Singapore in 1999. He has served in various capacities in professional organizations such as SILA, IFLA and a member of several government committees.

Mr. Dexter Tang

Business Development Manager, Hitchins (FE) Marketing Pte Ltd

Mr. Dexter Tang graduated with a Technician Diploma in Building from the Singapore Polytechnic in 1981. He has over 20 years working experience in various specialised trades, which include ground engineering, corrosion protection in marine and construction industries, mechanical engineering in specialised equipment for the corrosion protection industry, building protection and waterproofing. Since 1994, he has also been actively involved in installations of roof gardens. Mr. Tang is also a part-time Trainer in the Construction Industry Training Institute (CITI) for courses in "Certificate in Waterproofing Supervision" and "Good Industrial Practices on Waterproofing for Internal Wet Areas".

Mr. Ho Wan Weng

Managing Director, ZinCo Singapore Pte Ltd (Subsidiary of ZinCo GmbH)

Mr. Ho's career revolves around the building and construction industry in one way or another. Having started as a Structural Engineer with the HDB in 1988, his career path took him to a variety of specialised fields that include thermal insulation, waterproofing and landscape engineering fields in both the service and manufacturing sectors. Sensing the opportunity and potential of the Asian market in 2002, Mr. Ho, in his entrepreneurial spirit, convinced one of the world's leading specialists in green roof technology, ZinCo GmbH, from Germany, to commit and set up the only subsidiary in Asia – ZinCo Singapore Pte Ltd, with which Mr. Ho is the MD. Today, Mr. Ho is deeply and fondly involved in green roofs.

Dr Tan Puay Yok

Assistant Director, Horticulture Research, National Parks Board

Dr Tan Puay Yok is responsible for the horticulture research program of the Board, with research focusing on overcoming operational problems and improving the cost-effectiveness of urban greenery provision and maintenance in Singapore, and in new areas such as skyrise greenery. His current research in green roof looks into overcoming technical barriers in implementing rooftop greenery, plant selection, and evaluating the associated benefits of green roofs under tropical conditions. His other professional interests include the environmental and socio-economic benefits of greenery in urbanised settings.

Dr Rajasekhar Balasubramanian

Associate Professor, Department of Chemical and Biomolecular Engineering National University of Singapore

Dr Balasubramanian is an expert in the area of air quality management. He has carried out extensive field-based research in several countries including Singapore, to identify the sources of air pollutants in the indoor and outdoor environments. He is currently a leader of an international research program in air quality, and chairs the Clean Air Group in the Environmental Engineering Society of Singapore.

Dr Wong Nyuk Hien

Associate Professor, Department of Building

National University of Singapore

Dr Wong Nyuk Hien is the Principal Investigator for a number of research projects funded by the various Singapore government agencies to study the thermal effects of vegetation on the built environment. Completed research projects include "A Study of Rooftop Gardens in Singapore" and "A Study of Urban Heat Island in Singapore".

Ms Tay Bee Choo

Senior Landscape Architect, Housing and Development Board & President, Singapore Institute of Landscape Architect

Ms Tay Bee Choo graduated with Bachelor Degree in Landscape Architecture from Iowa State University in 1980 and Diploma in Horticulture, Singapore Botanic Gardens in 1976. Ms Tay Bee Choo initiated the extensive landscaping in Singapore 2001 and spearheaded the pilot roof deck project in Punggol. Her years of experience in the private sector working on landscape projects in residential, condominiums, commercial and institutional buildings helped her to transform HDB's landscape in the 1990's to what it is today. She is responsible for the tree planting strategies and streetscapes for Sengkang and Punggol New Towns and ensuring that all HDB new public housing projects are well landscaped. She is a founding member of the Singapore Institute of Landscape Architects (SILA) and its current President. She is the current Treasurer (2003 - 06) of the International Federation of Landscape Architects (IFLA) and Singapore's representative at IFLA World Council.

Mr Seow Kah Ping

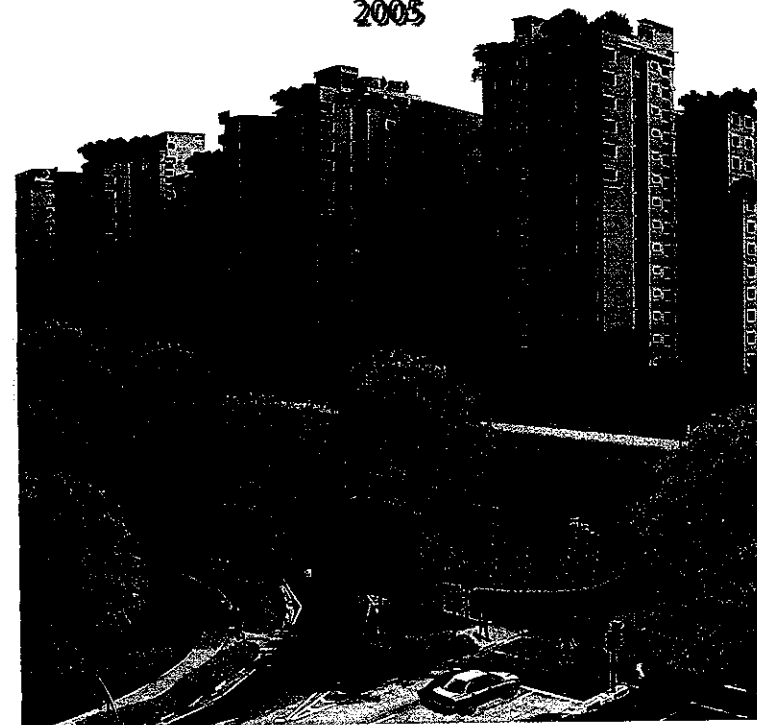
Deputy Director, Physical Planning/Policies Urban Redevelopment Authority

Mr. Seow Kah Ping is the Deputy Director (Physical Planning, Policies) in URA. He studied Architecture at NUS and has worked as a planner in the Development and Building Control Division of the then PWD. In 1988, he pursued a postgraduate course in planning at the University of Reading, UK. Upon his return, he was involved in the preparation of Development Guide Plans for a number of planning areas, such as Bukit Merah, Punggol and Changi. Subsequently he worked on the gazette of the Master Plan 1998. He played a key role in the review of the Concept Plan in 2001 and the preparation of the Parks and Waterbodies Plan in 2002. The P&W Plan proposed an island-wide network of green spaces and connectors and among its strategies was an enhancement of skyrise greenery.

SEMINAR ON

SKYRISE GREENING

SINGAPORE
2005



Jointly Organized By



HOUSING &
DEVELOPMENT
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ABOUT SKYRISE GREENERY

Singapore has an international reputation as a tropical Garden City, with a pervasive garden-like ambience arising from the lush greenery that envelops the city. As we seek to continuously enhance the Garden City in the face of increasing land-use intensification, integrating greenery with built structures, such as onto rooftops, building facades, high rise decks and balconies, etc. is a logical step forward. To that end, the National Parks Board has embarked on an initiative to promote the use of greenery on built structures, a form of greenery which we coined "Skyrise Greenery".

One form of Skyrise Greenery is the use of green roof technology that originates in temperate countries, which has seen widespread implementation in some countries. Green roof technology is an attractive solution to green up existing rooftops in Singapore, largely because of their lightweight nature and the focus on creating self-sustaining plant communities that do not require intensive maintenance. As this technology has not been used in Singapore in any significant scale, the Housing Development Board (HDB) and National Parks Board (NParks) have initiated a pilot project to test the efficacy of green roofs under our local climatic conditions. Join us in this seminar to learn about green roofs and other topics on Skyrise Greenery.

HIGHLIGHTS OF THE SEMINAR

- Green roof developments from North America
- Findings from the pilot green roof project in Singapore
- Technical aspects of green roof installation and management
- The selection of suitable plants for green roofs in the tropics
- The impact of Skyrise Greening on our environment
- HDB's approach and plans to green up our public housing estates
- How the Urban Redevelopment Authority (URA) is encouraging Skyrise Greening
- Trade exhibits on green roof systems and related products
- Technical Tours to the pilot green roof project (not normally open to public access) and rooftop garden
- A complimentary handbook on a selection of plants suitable for green roofs in Singapore

WHO WILL BE INTERESTED IN ATTENDING THIS SEMINAR

- City planners
- Landscape architects
- Horticulturists
- Architects
- Building management and construction professionals
- Developers
- Environmentalists
- Academics and students

EVENT AGENDA

Time	Presentation/Activity
8:15 am	Registration
9:00 am	Opening and Welcome Address Guest of Honor: Minister in Prime Minister's Office and Second Minister for National Development Mr. Lim Swee Say
9:15 am	Green Roof Industry Development in North America Mr. Steven Peck Founder and President Green Roof for Healthy Cities - North America Inc.
10:00 am	Morning Tea Break & Trade Exhibits Showcase
10:45 am	Rooftop Greening in Public Housing Estates Ms Tay Bee Choo Senior Landscape Architect, Housing and Development Board President, Singapore Institute of Landscape Architects
11:15 am	Green Roof System Presentation Ms Rayner Ng Director, Ecoflora Pte Ltd
11:30 am	Green Roof System Presentation Mr. Richard Tan Managing Director, Garden and Landscape Centre Pte Ltd
11:45 am	Green Roof System Presentation Mr. Dexter Tang Business Development Manager, Hitchins Group Ltd
12:00 pm	Green Roof System Presentation Mr. Ho Wan Weng Managing Director, ZinCo Singapore Pte Ltd
12:15 pm	Plant Selection for Green Roofs in the Tropics Dr. Tan Puay Yok Assistant Director, National Parks Board
12:45 pm	Lunch & Trade Exhibits Showcase
1:45 pm	Encouraging and Realising Skyrise Greenery Mr. Seow Kah Ping Deputy Director, Urban Redevelopment Authority
2:15 pm	Do Green Roofs Help to Improve Air Quality Dr. Rajasekhar Balasubramanian Associate Professor, National University of Singapore
2:45 pm	Thermal Performance of Extensive Rooftop Greenery Systems in the Tropical Climate Dr. Wong Nyuk Hien Associate Professor, National University of Singapore
3:15 pm	End of Seminar & Afternoon Tea Break
4:00 pm	Depart from HDB Hub for Technical Tour at Punggol Estate
4:45 pm	Technical Tour at Punggol Estate Rooftop Garden and Green Roof Tour
6:00 pm	End of Technical Tour

For more details on the seminar visit www.skyrisegreening.com
For further enquiries contact Sally at 6325 3529
or e-mail sally@ap-communications.com

EVENT DETAILS

Event Date: 24 March 2005, Thursday
Event Time: 8.15am - 3.15pm
Technical Tour: 4.00pm - 6.00pm
Venue: The Auditorium, HDB Hub, Basement Level
480 Lorong 6 Toa Payoh
Singapore 310480



Participating in this Seminar will accrue 4 CPD points

REGISTRATION FORM

Register Now to Secure Your Place at the Seminar and the Technical Tour Seats are Limited!

YOUR PARTICULARS

Name: _____
[Prof/Dr/Mr/Ms/Mrs]
Designation: _____
Organization: _____
Address: _____
Postal code: _____
Office Tel: _____ Mobile: _____
Fax No: _____ E-mail: _____

REGISTRATION

I would like to register for:

<input type="checkbox"/> Seminar Only	\$128.00 /person
<input type="checkbox"/> Seminar and Technical Tour	\$150.00 /person

* Rates stated are inclusive of prevailing government taxes
* Fees are inclusive of Seminar Materials, the handbook 'A Selection of Plants for Green Roofs in Singapore', lunch and refreshments.

If you are a member of any of these associations contact Sally to find out the special rates you will be able to enjoy:

- Singapore Institute of Architects (SIA)
- Institute of Engineers Singapore (IES)
- Singapore Institute of Landscape Architects (SILA)

PAYMENT MODE

Credit Card

If you are paying by credit card, please visit www.skyrisegreening.com to register.

Crossed Cheque

Bank Name/Cheque No. _____

Please make your cheque payable to the National Parks Board.

Mail your cheque to the following address:

National Parks Board - Skyrise Greening Seminar
c/o AP Communications Pte Ltd
Attention: Ms Sally Tan
138 Robinson Road
#12-01/05 The Corporate Office
Singapore 068 906
Tel: +65-6325 3529 Fax: +65-6221 3392

CANCELLATION

Should you wish to cancel your registration you will incur an administration charge of 25% of the registration fee [excluding 5% GST taxes]. A written notice must be received by AP Communications on or prior to 10 March 2005. Thereafter, no refunds will be made. However, replacements from the same company will be accepted. Please notify the Event Organizer immediately of any substitution of delegates in writing.