

# ISHS Greener Cities Symposium 2024 Programme



Day 1, 25 September 2024

		Time	Programme
Session 1		07:30 – 07:40	Board buses – Woking
		07:40 – 08:30	Bus transfer to RHS Wisley & short walk to RHS Hilltop
	Chair: Prof. Diane Pataki	08:30 – 09:10	Registration, Coffee & Networking
		09:10 – 09:20	Welcome   <i>Prof. Alistair Griffiths, RHS Director of Science and Collections</i>
		09:20 – 09:30	ISHS Welcome   <i>Prof. Francesco Orsini</i>
		09:30 – 10:15	Keynote address: Rethinking urban horticulture: perspectives from applied biotechnology and environmental engineering   <i>Assoc. Prof. Fraser Torpy</i>
		10:15 – 10:35	Landscape plants: functioning for the future   <i>Prof. Ross Cameron</i>
		10:35 – 10:55	Thesauruses, not encyclopedias: embracing probability in plant selection   <i>Dr Harry Watkins</i>
		10:55 – 11:15	Towards a biodiversity metric for urban tree species   <i>Dr Andy Hiron</i>
			11:15 – 11:40
Session 2	Chair: Prof. Ross Cameron	11:40 – 11:55	The impact of plants on indoor air quality and the wellbeing of building occupants   <i>Dr Jenny Berger</i>
		11:55 – 12:15	Biosolar green roofs: harnessing the combined power of green roofs and solar energy   <i>Dr Peter Irga</i>
		12:15 – 12:30	Green walls as nature-based solutions for urban resilience and human wellbeing: the case of the city of Turin (Italy)   <i>Dr Giulia Daniele</i>
		12:30 – 12:45	Assessment of plant species suitability for green walls in Mediterranean area   <i>Dr Alba Mininni</i>
	12:45 – 13:45	Lunch	
Session 3	Chair: Dr Peter Irga	13:45 – 14:05	Impact of air pollution on microbial communities on urban plant leaf surfaces   <i>Prof. Hendrik Schaefer</i>
		14:05 – 14:20	Plant species influence on noise control performance of hedges   <i>Ms Jo Webb</i>
		14:20 – 14:35	Implementation of green infrastructure in schools as a learning tool and a science site-secondary school hedges case study   <i>Dr Tijana Blanusa</i>
		14:35 – 14:50	Environmental footprinting for greener gardens: the potential for personalised calculations of gardening impact to deliver behaviour change   <i>Dr Chloe Sutcliffe</i>
	14:50 – 15:15	Tea / Coffee Break	
Session 4	Chair: Prof. Alistair Griffiths	15:15 – 15:30	New tools to support sustainable urban green design: The potential of herbaceous perennials in new demolition waste-based substrate   <i>Dr Federica Larcher</i>
		15:30 – 16:15	Keynote address: Gardens by the Bay: a green marvel of sustainability   <i>Mr Felix Loh</i>
		16:15 – 16:30	Wrap-up and Initiate Garden Tours
		16:30 – 17:15	Optional Garden Tours with Helen Bostock and team
		17:15 – 18:30	Drinks Reception
	18:30 – 19:00	Bus transfers back to Woking	

# ISHS Greener Cities Symposium 2024 Programme



Day 2, 26 September 2024

Session	Time	Programme	
	07:30 – 07:40	Board buses – Woking	
	07:40 – 08:30	Bus transfer to RHS Wisley & short walk to RHS Hilltop	
Session 5	Chair: Prof. Fraser Torpy	08:30 – 09:20	Registration, Coffee & Networking
		09:20 – 09:30	Welcome   <i>Clare Matterson, RHS Director General</i>
		09:30 – 10:15	Keynote address: Greening cities in the face of water scarcity through sustainability innovation   <i>Prof. Diane Pataki</i>
		10:15 – 10:35	Implications of sustainable drainage system design on its infiltration rate and maximum water capacity   <i>Dr Sandy Adriaenssens</i>
		10:35 – 10:55	Planting design and plant combinations – what impact can they have on localised flood mitigation?   <i>Ms Caitlin McLaughlin</i>
		10:55 – 11:15	Environment or trait: what determines plant water use?   <i>Ms Eun Hye Kim</i>
			11:15 – 11:40
Session 6	Chair: Prof. Francesco Orsini	11:40 – 11:55	Assessment of atmospheric CO <sub>2</sub> reduction and water use efficiency of C <sub>3</sub> , C <sub>4</sub> and CAM plants in an extensive green roof under drought stress   <i>Prof. Maria Papafotiou</i>
		11:55 – 12:10	Economics and resource efficiency of apartment-scale vegetable growing in Singapore   <i>Ms Carly Anderson</i>
		12:10 – 12:25	Impacts of urban agriculture on pollinator communities: a case study in Bologna (Italy)   <i>Ms Agata Morelli</i>
		12:25 – 12:40	How pollinator-friendly is the City of London?   <i>Dr Konstantinos Tsiolis</i>
	12:40 – 13:40	Lunch	
Session 7	Chair: Dr Mark Gush	13:40 – 13:55	Visual observations in hedge planting of the African plum, Amanthungulu as an alternative nutritional food source to enhance food security in urban areas   <i>Prof. Charles Laubscher</i>
		13:55 – 14:10	Regreening urban spaces: a case study of the Genoa Serre Antiche regeneration project and the multifaceted impact of urban agriculture initiatives on local communities   <i>Assist. Prof. Michele D'Ostuni</i>
		14:10 – 14:25	Urban horticulture needs new and adapted knowledge for the targeted development of the green cities of the future   <i>Ms Emilie Sandell</i>
		14:25 – 14:40	Introduction of the rooftop greenhouse demonstration project for urban commercial buildings in South Korea   <i>Dr Sang Min Lee</i>
		14:40 – 14:55	Green groundwork, navigating policy dynamics, landscape maintenance transitions, and research horizons   <i>Assist. Prof. Paul Bartley</i>
	14:55 – 15:00	Poster & Displays Session Introduction	
	15:00 – 16:30	Tea & Coffee and Poster & Displays Session	
	15:45 – 16:30	Optional tours of Hilltop and the Garden with Helen Bostock and team	
	16:00 – 16:30	ISHS Working Group Ecosystem Services in Horticulture	
	16:45 – 17:15	Bus transfers back to Woking	
	18:30 – 18:40	Board buses – Symposium Dinner	
	18:40 – 19:00	Bus transfer to Symposium Dinner	
	19:00 – 23:00	Symposium Dinner and the concert by David Gordon Trio	
	23:00 – 23:30	Bus transfers back to Woking	

# ISHS Greener Cities Symposium 2024 Programme



## Day 3, 27 September 2024

Session	Time	Programme
	07:30 – 07:40	Board buses – Woking
	07:40 – 08:30	Bus transfer to RHS Wisley & short walk to RHS Hilltop
	08:30 – 09:20	Registration, Coffee & Networking
	09:20 – 09:30	Welcome
Session 8 Chair: Dr Andrew Hirons	09:30 – 10:15	Keynote address: Urban forests for cool cities: building actions from evidence   <i>Prof. Stephan Pauleit</i>
	10:15 – 10:35	Effects of management on the provisioning of ecosystem services by mature urban trees   <i>Assoc. Prof. Alessio Fini</i>
	10:35 – 10:55	'Dendro Futura' – the trees of tomorrow   <i>Assoc. Prof. Henrik Sjöman</i>
	10:55 – 11:15	The role of street trees in reducing summertime local air temperatures in temperate climates   <i>Dr Madalena Vaz Monteiro</i>
	11:15 – 11:40	Tea / Coffee Break
Session 9 Chair: Dr Alessio Fini	11:40 – 12:00	How does transpiration of commonly planted garden trees respond to fluctuations in environmental drivers?   <i>Dr Elisabeth Larsen</i>
	12:00 – 12:20	Navigating the future: unveiling the resilience of trees in evolving UK climates   <i>Mr Kevin Martin</i>
	12:20 – 12:40	Evaluation of the benefits of trees as the basis for drafting the Forte dei Marmi greenery plan   <i>Assist. Prof. Fabrizio Cinelli</i>
	12:40 – 13:00	Ecosystem services at your front door: Exploring the treasures of domestic gardens   <i>Dr Karina Corada</i>
	13:00 – 14:00	Lunch
Session 10 Chair: Dr Madalena Vaz Monteiro	14:00 – 14:20	The impact of cultural and ecological change on trees in historical public spaces – the case of the existing trees and their history at Kanda Shrine in central Tokyo   <i>Assoc. Prof. Tomoko Takeuchi</i>
	14:20 – 14:40	Enhancing urban ecosystem services: a public engagement approach towards climate-responsive cities   <i>Prof. Elizelle Cilliers</i>
	14:40 – 15:00	Scaling up from local to regional: progress in mapping climate risk and vulnerability across the West Midlands for decision-making   <i>Dr Sarah Greenham</i>
	15:00 – 15:20	Tea / Coffee Break
Session 11 Chair: Dr Tijana Blanusá	15:20 – 15:40	The relationship between greenery and temperature in street canyons: a new perspective based on street view images   <i>Mr Yanzhi Lu</i>
	15:40 – 16:25	Keynote address: The emotional fingerprint of urban soundscapes   <i>Mr Philipp Nedomlel</i>
	16:25 – 16:30	Young Minds Award Presentation
	16:30 – 16:40	Closing Address
	17:00 – 17:30	Bus transfers back to Woking

## Day 4, 28 September 2024

Field Trip	Time	Programme
	08:30 – 09:00	Board buses – Woking
	09:00 – 13:00	Travel and site visits
	13:00 – 14:00	Lunch
	14:00 – 16:30	Travel and site visits
	16:30 – 17:00	Disembark buses – Woking