

## BIOGRAPHICAL NOTES

Name: Heinz Schandl	Country: Australia
Candidate for which position? President elect	ISIE member since: 2001
PLEASE GIVE YOUR REASONS FOR RUNNING FOR THIS POSITION (150 WORD LIMIT)	
<p>I am nominating for ISIE president elect to facilitate a process of creating the governance and institutional arrangements that are needed at the ISIE for the next decade to maintain and grow the global influence of our scientific community and for creating opportunities for our members. My vision for the ISIE is to extend our standing of a scientifically rigorous, interdisciplinary, collaborative research community that supports ISIE members to be highly effective in informing policies and business decisions that promote human wellbeing and sustainable resource management.</p> <p>If elected president of the ISIE my priorities in achieving this vision will be:</p> <ul style="list-style-type: none"><li>• Renewing our society's governance to enable membership growth and an increased global relevance of the ISIE</li><li>• Broadening and deepening IE involvement and representation across countries, especially bringing the large IE research community in Asia and the Pacific closer to the ISIE</li><li>• Supporting interdisciplinarity in both theory and practice, with ISIE providing an intellectual home for engineers, biophysical sciences and social scientists alike</li><li>• Achieving full participation of students and young professionals in ISIE</li><li>• Creating new stronger linkages with the policy and business community and practitioners of IE, as a key pathway for increasing the impact of our research and making a difference in the world.</li></ul> <p>As the President of ISIE I would bring my track record of leadership, organizational ability, and collaborative practice to ensure ISIE serves the needs of its members and achieves its full potential as a scientific society. My approach is to work with the council and regional representatives to identify a clear set of strategic priorities, and to develop and implement practical arrangements that achieve an ambitious program of work, including by attracting new resources.</p> <p>I am honoured by my nomination for this role, and full of enthusiasm for the opportunities it offers to contribute to and serve the ISIE scientific community.</p>	
DESCRIBE YOUR CURRENT PROFESSIONAL AND/OR ACADEMIC ACTIVITIES (100 WORD LIMIT)	
<p>I am a senior science leader at the Commonwealth Scientific and Industrial Research Organization of Australia, an honorary professor at the Australian National University, Fenner School of Environment and Society, and adjunct professor at the Graduate School of Environmental Studies, University of Nagoya in Japan.</p> <p>My research links social theory, industrial metabolism and public policy to inform policies that decouple economic activity from environmental pressures and impacts. This involves measuring and modelling of the environmental and socio-economic performance of industrial systems and human settlements to develop policy relevant knowledge, information and indicators for sustainable consumption and production, resource efficiency and a green and low carbon economy.</p>	

I am actively engaged in leading policy advisory forums including the International Resource Panel of UN Environment and the United Nations Commission for Regional Development (UNCRD) expert group of the Regional 3R Forum in Asia and the Pacific.

#### LIST PREVIOUS PROFESSIONAL AND/OR ACADEMIC POSITIONS (100 WORD LIMIT)

I was an adjunct professor at the Australian National University (ANU), School of Sociology (2012-2014), at the ANU Crawford School for Economics and Government (2009-2011), assistant professor at the Institute of Social Ecology in Vienna, Austria (2001-2006), visiting professor at the autonomous university of Barcelona, Spain (2004-2005), member of the material flow analysis methods taskforce of the European Statistical Office (2003-2006), a research fellow and senior research fellow at the Institute of Social Ecology in Vienna, Austria (1997-2001), a primary school teacher and principal in a free school in Vienna (1986-1994).

#### EDUCATION

I have been awarded a PhD in Sociology of the University of Vienna, Austria, at the Institute of Sociology in 2001 and a Master degree in Social and Economic Sciences (Economics, History, and Political Sciences) of the University of Vienna in 1997.

#### AWARDS/MERITS

I am a trusted advisor for sustainable resource management, resource efficiency and waste minimization and its linkages to the Sustainable Development Goals (SDGs) for UN Environment, the United Nations Economic and Social Commission for Asia and the Pacific, the Asian Development Bank and governments in Asia and the Pacific including the Japanese Ministry of the Environment and the Australian Department of the Environment.

#### PUBLICATIONS

I have authored and co-authored

- 51 peer-reviewed journal articles in Nature, PNAS, Journal of Industrial Ecology, Journal of Cleaner Production, Ecological Economics and Global Environmental Change,
- 6 books and 21 book chapters. Books include 'Social Sciences and Sustainability' (2017), 'Global Material Flows and resource Productivity' (2016), 'Resource Efficiency: Economics and Outlook for Asia and the Pacific' (2011), 'The Social Metabolism of Industrialization' (2006), 'The Weight of Nations' (2000), 'Social metabolism and colonization of nature. Concepts for social-ecology' (1997).
- Over 100 policy and technical reports.

A full publication list is attached. (Click on paper clip icon at left)

#### PROFESSIONAL ASSOCIATIONS (I.E. BOARD MEMBERSHIPS, PROFESSIONAL SOCIETIES, ETC)

I was an ISIE council member (2011-2013), the chair of the ISIE socio-economic metabolism section (2014-2016), and chair of the 2016 Gordon Research Conference for Industrial Ecology held in Vermont in the United States, an associate editor of the Journal of Industrial Ecology and an editorial board member of the Journal of Material Cycles and Waste Management.