

Mr Peter Stasinopoulos

Research Assistant, The Natural Edge Project

The Natural Edge Project (TNEP) is a partnership for research and education for sustainable development. Driven by a team of early career Australians, the Project receives mentoring and support from a range of experts and leading organisations in Australia and internationally.

TNEP's mission is to contribute to, and succinctly communicate, leading research, case studies, tools and strategies for achieving sustainable prosperity across government, business and civil society. Established in November 2002, and hosted in-kind by The Institution of Engineers Australia, the project is lead by a Secretariat team of Charlie Hargroves, Michael Smith, Cheryl Paten, Renee Stephens, Stacey Hargroves and Peter Stasinopoulos.

TNEP initiatives are not-for-profit. TNEP's main activities involve research, education, curriculum development, industry training and producing publications, which are supported by grants, sponsorship (both in-kind and financial) and donations. Our other activities involve delivering short courses, workshops, and working with our consulting associates as we seek to test and improve the material, and to supplement the funds required to run the project. All support and revenue raised is invested directly into existing project work and the development of future initiatives.

Qualifications

BEng (Mechatronic Engineering, with First Class Honours), University of Adelaide 2003

BMa&CompSci, University of Adelaide 2003

MEng (Manufacturing Engineering) Candidate, University of South Australia

Short Biographical Information

Peter Stasinopoulos joined The Natural Edge Project Volunteer Working Group in 2004 and became a part time Research Assistant in 2005. Peter is a graduate of the University of Adelaide, holding a Bachelor of Mathematical and Computer Science, and Bachelor of Mechatronic Engineering with First Class Honours. At the University of South Australia Peter is undertaking a Masters degree by research in the field of Sustainable Manufacturing with a focus on Whole Systems Design.

Peter has worked on a variety of projects across TNEP's Education and Industry Consultation portfolios. Peter has also conducted research and compiled case studies for the Critical Literacies Portfolio and the Whole Systems Design Suite of the Technical Design Portfolio. Peter also contributed to the development of a detailed literature review for the E-Waste project in partnership with Dell and Griffith University, and took the lead on developing content for a Hewlett Packard White Paper on Sustainable Product Service Systems for IT.

Peter has worked with the TNEP team on the development of indicators, case studies and general research for industry clients such as Hatch (minerals and mining sector), Santos (oil and gas sector), VicUrban (infrastructure sector), and the Plastics and Chemicals Industries Association (chemicals manufacturing sector).



Contact Details

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Languages

English (fluent)
Greek (intermediate)

Postgraduate Research (Completion 2007-08)

Masters Candidate, University of South Australia, School of Advanced Manufacturing and Mechanical Engineering.

The thesis investigates the field of Whole System Design (WSD) for sustainable development. It shows how WSD can be integrated into the traditional Systems Engineering design process. It also includes the 10 Key Steps for WSD (summarised from the work of leaders in the field) that are common to several of the best WSD case studies.

Awards and Prizes:

- (2000) Awarded Dean's Certificate of Merit for Outstanding Achievement

Papers and Publications:

- Stasinopoulos, P., Hargroves, K., Smith, M. and Paten, C. (2007) *Engineering Sustainable Solutions Program: Technical Design Portfolio, Whole Systems Design*, The Natural Edge Project, Australia.
- Hargroves, K., Stasinopoulos, P. and Smith, M. (2007) *'Sustainable IT' through 'Sustainable Product Service Systems', a case study of Hewlett Packard*, The Natural Edge Project, Australia.
- Hargroves, K. Stasinopoulos, P., Desha, C. and Smith, M. (2007) *Engineering Sustainable Solutions Program: Industry Practice Portfolio - E-Waste Education Courses*, The Natural Edge Project, Australia.

Work with Key Partners: *Practice Partners*

- Santos (Oil and Gas) - TNEP is supporting Santos's consulting associate, Dan Atkins of Sustainable Business Practices, to provide a range of services, including; sustainability indicators selection, prioritisation and data collection; development of the 2005 Santos Sustainability Report; and research to enhance the sustainability content of the Santos website.
- VicUrban (Urban Development) - TNEP is working with VicUrban to assist in the development of a suite of Environmental and Urban Design Performance Measures and Indicators for Industrial and Business Park Developments. TNEP is collaborating with VicUrban's partners Janis Birkeland (research) and Hatch (review) to develop the Indicators.
- HATCH (Minerals Processing) - TNEP is working with Hatch to assist in the development of training material focused on sustainability critical literacy skills relevant to the minerals processing industry. The training materials strongly align with the leading sustainability tools within Hatch.
- Griffith/Dell E-Waste Research and Education Grant - TNEP is contributing to research content on emerging trends and activities relating to E-Waste, and developing educational material for university students in the form of education modules (in collaboration with the Griffith Sustainable Living Challenge team who are developing a high school education module).
- Hewlett Packard (Information & Communications Technology) - TNEP is working with Hewlett Packard to develop the business case for IT customers to shift to a product service model for the provision of IT services. TNEP's package to HP includes a Literature Review, a public White Paper, an Annotated Bibliography and a Presentation Kit for HP staff to deliver Customer Workshops. TNEP anticipate partnering with HP to deliver a series of Customer Workshops.

Professional Outreach

- (January 2003-current) Young Engineers Australia, SA Division. Committee Vice President.

Referees (Within Australia):

TNEP Colleague: Mr. Mike Smith, Research Coordinator, The Natural Edge Project, Fenner School of Environment and Society, Australian National University.

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University of South Australia: Ass. Professor Kazem Abhary, Mechanical & Manufacturing Engineering, Division of Information Technology, Engineering and the Environment, University of South Australia.

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University of Adelaide: Mr. Antoni Blazewicz, Lecturer, School of Mechanical Engineering, University of Adelaide.

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