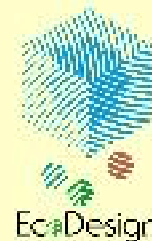


Going Green EcoDesign 2017



**10th International Symposium on
Environmentally Conscious Design and
Inverse Manufacturing**
*- New Technologies and Eco-Innovation
Towards Sustainability -*

We are pleased to announce the EcoDesign 2017 symposium, to be held in Tainan, Taiwan. Since the first EcoDesign symposium in 1993, this symposium has led the research and practice of environmentally conscious design of products, services, manufacturing systems, supply chain, consumption, economics and society. Recently, technologies for the future, (such as Internet of things, Self-driving cars, etc.), will play a key role in helping businesses design much more sustainable products and move towards sustainability. Can new technologies deliver a sustainable future for Planet Earth? In the EcoDesign 2017, the latest issues on EcoDesign dealing with new technologies are discussed. Professionals from industry, research laboratories, consulting, government, and academia are encouraged to attend.

**TAYIH LANDIS HOTEL,
Tainan, Taiwan**
November 29-December 1, 2017



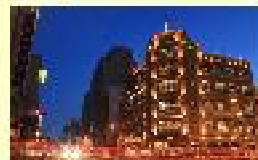
Provincia



Qigu Salt Mountain



Confucius Temple



Hayashi Department Store



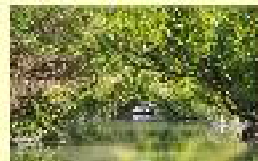
Chimei Museum



Black-head Spoonbill



Anping Fort



Sican Mangrove Green Tunnel



Tainan

Call for Papers

EcoDesign 2017 calls for two types of papers – proceedings papers and e-book papers. Presenters can select the type of paper they submit. All presenters are required to submit a paper.

Proceedings papers: 2 to 8 pages; Not peer-reviewed (abstract review only); Copyright transfer is not required; Distributed in the USB proceedings, which is delivered only to participants.

E-book papers: 6 to 8 pages; Full-paper peer-reviewed (if a paper is not accepted, it is treated as a proceedings paper); Copyright transfer is required; Distributed in the USB proceedings and e-book proceedings; E-book proceedings is published after the symposium.

Important Dates

For proceedings papers

April 15, 2017 Abstract deadline
April 30 Notification of acceptance
September 15 Deadline for submission of final papers

For e-book papers

April 15, 2017 Abstract deadline
April 30 Notification of acceptance
June 30 Full paper submission deadline
August 20 Notification of full paper acceptance
September 15 Deadline for submission of final papers



Symposium Organizers

National Cheng Kung University (Taiwan), and
Union of EcoDesigners (Association
of EcoDesign Societies, Japan)

In Cooperation with

Electronics Goes Green (Germany);
CAIR Innovation (Austria)

Contacts

EcoDesign 2017 Secretariat
E-mail: ecodesign2017@email.ncku.edu.tw

TOPICS

Topics of the Symposium include, but not limited to, the following. Presentations on industry case studies as well as new methods and tools are welcome.

Social Perspectives in EcoDesign

■ Social Vision and Scenarios for EcoDesign

e.g., Sustainable society vision and scenario, Environmental ethics, Eco life style, Environmental education, Human aspects in environmental management, Social impact of emerging technologies, Green innovation strategy, CSR, SDGs (Sustainable Development Goals)

■ Sustainable Social Infrastructure Systems

e.g., Smart city, Green city, Green building, Green ICT, Energy efficient data center, Smart grid, Sensor-network for environmental monitoring system, Intelligent transportation system, Advanced storage battery technology, Photovoltaic technology in transportation road

■ Global Issues in EcoDesign

e.g., Region- and country-specific issues, Transnational end-of-life product flow, Informal recycling in developing countries, Global reverse logistics, Resource depletion problem, COP 21 (Paris Agreement)

Product Life Cycle Design and Business Strategy

■ EcoDesign of Products and Life Cycles

e.g., Development of environmentally conscious products, Life cycle design, Evaluation and case study of EcoDesign, End-of-life strategy, Emerging packaging technology for EcoDesign

■ Sustainable Consumption

e.g., Social acceptance of green products and services, Environmental consumer behavior, Green marketing

■ Business Innovation

e.g., Green business design, Green servicizing and convergence, Product service system (PSS), Service engineering, Green business diagnosis and forecast, Economic/environmental feasibility study, Eco-efficiency statistics, Low carbon Economy, Circular Economy, Sharing Economy

Sustainability Assessment and Incentives for EcoDesign

■ EcoDesign Policy and Regulations

e.g., EcoDesign policy principles and application, Extended producer responsibilities, EcoDesign related policy instruments, EcoDesign standard, Product related environmental legislations, Regulation compliance technology

■ Economics of EcoDesign

e.g., Environmental economics, Material flow cost accounting, Economic impacts of environmental regulations, Input-Output analysis, Emissions trading

■ Life Cycle Assessment (LCA) and Footprints

e.g., LCA methodologies, Carbon footprint, Environmental product declaration (EPD), Eco-label, Water footprint

Sustainable Manufacturing and EOL Management

■ Sustainable Manufacturing

e.g., Cleaner production systems, Industrial ecology, Environmentally friendly manufacturing processes

■ Green Supply Chain Management

e.g., Green SCM, Life cycle management, Closed-loop supply chain management, Reverse logistics

■ Rare Metal Issue & 3R Technologies

e.g., Recycling and disassembly, Remanufacturing technologies, Maintenance engineering

Technologies for the Future and Sustainability

■ From Big Data to Smart Data

e.g., Optimal use of IT resources, Scalable green data centers, End-to-end network efficiency, Local data aggregation

■ Cyber-Physical Systems

e.g., Intelligent embedded networked devices/systems, How to guide digitalization towards sustainability?

■ Environmental Effects of Latest Technology Trends

e.g., Self-driving cars, Energy efficient vehicles, Renewable energy, Internet of things technologies, Industry 4.0, 3D printing, Intelligent robots/machines

Abstract Submission

Submission of abstract should be made through the submission link in the EcoDesign 2017 website <http://ecodesign2017.noku.edu.tw>. The abstract should be no more than 500 words in length, explaining the subject, originality, and relevance to EcoDesign 2017. It is also required to select the paper type (Proceedings paper or e-book paper)