

**Editors: Vladimir Vasek, Yuriy S. Shmaliy, Denis Trcek,  
Nobuhiko P. Kobayashi, Ryszard S. Choras, Zbigniew Klos**



***Recent Researches in Energy, Environment,  
Entrepreneurship, Innovation***

**International Conference on Energy, Environment,  
Entrepreneurship, Innovation (ICEEEI '11)**

**Recent Researches in Energy, Environment, Entrepreneurship, Innovation**

**Lanzarote, Canary Islands, Spain, May 27-29, 2011**



**ISSN: 2223-277X  
ISBN: 978-1-61804-001-5**







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Published by WSEAS Press  
[www.wseas.org](http://www.wseas.org)

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All papers of the present volume were peer reviewed by two independent reviewers. Acceptance was granted when both reviewers' recommendations were positive.  
See also: <http://www.worldses.org/review/index.html>

ISBN: 978-1-61804-001-5  
ISSN: 2223-277X



World Scientific and Engineering Academy and Society



European Society for Environmental Research  
and Sustainable Development

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## Plenary Lecture 1

### Poznan University of Technology research works on LCA



#### Zbigniew Klos

Co-author: Jędrzej Kasprzak  
Faculty of Machines and Transportation  
Poznan University of Technology  
Piotrowo 3 St., 60-965 Poznan  
POLAND

**Abstract:** The research works done in the field of Life Cycle Assessment (LCA) at Poznan University of Technology (PUT) are overviewed. There is proposed the list of hints for designers of pro-environmental machines and appliances..

#### **Brief Biography of the Speaker:**

Zbigniew KLOS - Professor at Poznan University of Technology (PUT), Poland

1972 - M.Sc. in Mechanical Engineering

1979 - Ph.D. – Assist. Professor

1990 - D.Sc. (habilitation)

1994 - Associate Professor

since 2002 - Full Professor

#### **Main scientific interests:**

(1)development of Life Cycle Assessment (LCA) methodology

(2)ecological criteria of technical objects

(3)quality - TQM introduction to Polish enterprises

(4)corporate culture models

(5)innovation

#### **Positions held:**

1993-1996 – Vice-Dean for Education at the Faculty of Machines and

Transportation, PUT

1999-2005 – Vice-Dean for Development and International Co-operation at the Faculty of Machines and Transportation, PUT

since 2002 – member of Editorial Board of International Journal of Life Cycle Assessment (LCA)

since 2008 – Editor of Eco-Engineering (LCA), Scientific Problems of Machines Operation and Maintenance (Polish quarterly in English)

since 2008 – Vice-Dean for Development and International Co-operation at the Faculty of Machines and Transportation, PUT (again)

#### **Main LCA related publications:**

1. Klos Z., Kurczewski P., Laskowski G.: Anticipative environmental valuation of technical realizations for machines and appliances. Wyd. Politechniki Poznanskiej, Poznan 2000, pp.. 222

2. Klos Z., Introduction of Life Cycle Management to organisations. LCA and other supporting tools.

Wissenschaftliche Beitrage, TFH Wildau, 2002, Nr. 1

3. Klos Z., Ecobalancial Assessment of Chosen Packaging Processes in Food Industry. International Journal of LCA, 2002, vol.7, No. 5

4. Kurczewski P., Klos Z., Kasprzak J., LCA related analysis of beer distribution system. 11th LCA case Studies Symposium SETAC-Europe, Lausanne, 2003

5. Kurczewski P., Klos Z., Kasprzak J., Implementation of life cycle thinking and LCA in the creation of packaging system. 12th SETAC Europe LCA Case Studies Symposium. SETAC, Bologna 2005

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