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New Methodologies to Interaction Design for High-Tech Management in Energy-Building Field

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New Methodologies to Interaction Design for High-Tech Management in Energy-Building Field / Pereno A.; Tamborrini P.; Mercante L.. - In: MANAGEMENT OF TECHNOLOGY STEP TO SUSTAINABLE PRODUCTION... - ISSN 1848-9591. - STAMPA. - (2013), pp. 57-57. ((Intervento presentato al convegno 5th International Scientific Conference Management of Technology Step to Sustainable Production tenutosi a Novi Vinodolski nel May 29-31, 2013.

Availability:

This version is available at: 11583/2551364 since:

Publisher:

Croatian Association for PLM

Published

DOI:

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5th International Scientific Conference
Management of Technology
Step to Sustainable Production

MOTSP 2013

29-31 May 2013, Novi Vinodolski, Croatia

Book of Abstracts

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Publisher:

Croatian Association for PLM

Organizer:

Faculty of Mechanical Engineering and Naval Architecture Zagreb, Croatia

Croatian Association for PLM

Co-organizer:

University of Zagreb, Faculty of Graphic Arts

University of Primorska, Faculty of Management Koper

University Ss. Cyril and Methodius, Skopje, Faculty of Mechanical Engineering

University of Maribor, Faculty for Mechanical Engineering

Politecnico di Torino, Engineering II

Institute for Innovation and Development of University of Ljubljana

Printed in:

ITG d.o.o. – 100 copies

Published categorized papers are peer-reviewed by two independent experts.

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ISSN 1848-9591

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New Methodologies to Interaction Design for High-Tech Management in Energy-Building Field

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Nowadays the concepts of virtual communication and remote networks with other people and with our own hi-tech devices affect contemporary lifestyle and housing. Home automation tries to meet these needs, but its relationship with building products and heterogeneous user groups is not always properly. This research starts from the case study of an innovative building system to propose new methodologies of analysis that outline domestic scenario of material and energy flows and define user needs and actions. These methodologies allow to define guidelines for designing an innovative home interface, according to a “predictive” logic of people and environment needs.

Keywords: *interaction design, home automation, methodology, energy management*

ISSN 1848-9591



9 771848 959003

0 3 5 1 3

