SAVE Value Summit 2015

SAVE International Annual Conference

San Diego, California, USA 7 - 9 June 2015

ISBN: 978-1-5108-0935-2

Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2015) by SAVE International All rights reserved.

Printed by Curran Associates, Inc. (2015)

For permission requests, please contact SAVE International at the address below.

SAVE International 136 South Keowee Street Dayton, OH 45402, USA

Phone: (937) 224-7283 Fax: (937) 222-5794

info@value-eng.org

Additional copies of this publication are available from:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571 USA Phone: 845-758-0400 Fax: 845-758-2634 Email: curran@proceedings.com Web: www.proceedings.com <u>A Review of the Value Engineering Methodology: Limitations and Solutions for</u> <u>Sustainable Construction</u> – Joel Wao, Ph.D., MQSI pg. 1

Active Verb; Measureable Noun – Jim Rains, CVS-Life, FSAVE pg. 8

Applicability of Value Engineering to Rail Projects in the Conceptual Design and Preliminary Engineering Phase – Rahul Nagalkar, CVS; Ann Jamison, AICP, AVS pg. 14

Database for Sustained Product Cost Reduction – Ayyappan Ganesan pg. 22

Enhancing Creative Phase of the VM Job Plan – Anita Lukose, CVS pg. 30

Four Characteristics, Four Points, and Four Techniques of Service VE – *Hisaya Yokota, CVS, P.E.Jp, CMC pg. 37*

Function Analysis and Design Property Matrix as a Basis for Key Management Decisions in Product Engineering – Dipl.-Ing. Stefan Wohnhas, CVS, PVM; Dipl.-Ing. Franz Hartmann pg. 47

Function-Based Design® – An Integrated Value Engineering Approach – Renee L. Hoekstra, CVS pg. 56

Household Footwear – Oliver Daniel Szabo, AVS pg. 64

Innovative VE Value Formula for the Service Sector – Kenichi Yoshizawa pg. 71

Integration of Risk Modeling in Value Engineering – Dr. Khaled A. Obeid, PE, CVS-Life; Ahmed M. Hejazi, AVS pg. 78

LEAN as a Value Enhancing Methodology – Donald E. Parker, PE (RET), CVS-Life, FSAVE pg. 87

<u>New Value Creation Utilizing VE Methods in Quantifying Non-measurable</u> <u>Consumer's Product Attributes Applying in New Product Development Maximizing</u> **Function/Performance While Minimizing the Cost** – Kui-Yong Choi, CVS-Life, Won Jin Sunu, AVS pg. 95

Planning and Introducing an Integrated Information System into the Life of a Local Government by Performing Value Analysis – Dr. Andrea Keszi-Szeremlei, Ph.D.; Dr. Kornélia Zarándné Vámosi, CVS, Ph.D.; Dr. habil. Ferenc Nádasdi, CVS, Ph.D., FSAVE pg. 102

Pre-Rinse Spray Unit – Case Study of a Successful VA/VE Project – Dr. Stefan Hallbauer-Filthaut; Dr. Marc Pauwels pg. 110

Redesign Inlet Airflow Subsystem to Prevent Bypass Air – Muthukumaran.R, Abilash R.A. pg. 116

The Application of Value Engineering Techniques to Strategic Planning Processes – *Robert B. Stewart, CVS-Life, FSAVE, PMP, PMI-RMP pg. 124*

Value Analysis of a Device Group from the Environmental Simulation Segment – Dr. Jürgen Jakoby; Dipl.-Ing. Sebastian Meindl, PVM, TVM pg. 131

Value Analysis of Blood Sugar Level Meters Applied in Diabetes – Dr. Andrea Keszi-Szeremlei, Ph.D.; Dr. Kornélia Zarándné Vámosi, CVS, Ph.D.; Dr. habil. Ferenc Nádasdi, CVS, Ph.D., FSAVE pg. 140

Value Creation Utilizing VE Methods in the Sales & Operations (S&OP) StrategicPlanning Reducing Significant Direct Labor Cost Coupled with InnovativeImplementation of Enterprise Level Solutions In a Dynamic Corporate Culture –Kui-Yong Choi, CVS-Life; Won Jin Sunu, AVS; Dae G. Song, CEO, EYEQ MC pg. 146

<u>Value Methodology Swallows the Concept of Ideal Cost</u> – An Excellent Combination to Guarantee Outstanding Results – Dr. Young-Joo Suh, CVS-Life; Mr. Chungwoo Suh, MSc, CVS-Life pg. 154

VE Application to the Food Service Industry – Its Characteristics and Issues – Sayaka Uchimura pg. 158

VE to Shorten Construction Period – *Takehiro Kimori, CVS pg. 165*