

ISSN: 2217-8147 (Online)

UNIVERSITY OF NOVI SAD  
Technical faculty "Mihajlo Pupin" in Zrenjanin

JOURNAL OF  
ENGINEERING MANAGEMENT AND  
COMPETITIVENESS (JEMC)

EDITOR: Zvonko Sajfert, Ph.D.

Vol. 2, No. 2, 2012.

ZRENJANIN 2012.

**PUBLISHER:** University of Novi Sad, Technical faculty "Mihajlo Pupin" in Zrenjanin, 23000 Zrenjanin, Đure Đakovića bb, Republic of Serbia.

**FOR PUBLISHER:** Milan Pavlović, Ph.D, Professor, Dean of Technical faculty in Zrenjanin

#### EDITORIAL BOARD

**EDITOR:** Zvonko Sajfert, Ph.D, Professor, University of Novi Sad, Technical faculty "Mihajlo Pupin", Zrenjanin, Serbia

**ASSISTANT EDITOR:** Dragan Čočkaló, Ph.D, Assistant Professor, University of Novi Sad, Technical faculty "Mihajlo Pupin", Zrenjanin, Serbia

#### ASSOCIATE EDITORS:

Milivoj Klarin, Ph.D, Professor, University of Novi Sad, Technical faculty "Mihajlo Pupin", Zrenjanin, Serbia

Dejan Đorđević, Ph.D, Professor, University of Novi Sad, Technical faculty "Mihajlo Pupin", Zrenjanin, Serbia

Milan Nikolić, Ph.D, Professor, University of Novi Sad, Technical faculty "Mihajlo Pupin", Zrenjanin, Serbia

#### MEMBERS:

Jesa Kreiner, Ph.D, Professor, California State University, Department of Engineering, Fullerton, CA, USA

Teodora Rutar Shuman, Ph.D, Professor and PACCAR Professor Mechanical Engineering, Seattle University, College of Science and Engineering, USA

József Poór, Ph.D, Professor, Szent István University, Gödöllő, Hungary

Larisa Nikitina, Ph.D, Professor, Voronezh State University, Management Department, Russia

Zdenek Dvořák, Ph.D, Professor, University of Žilina, Faculty of Special Engineering, Slovakia

Boženko Bilić, Ph.D, Professor, University of Split, Faculty of Electrical Engineering,

*Mechanical Engineering and Naval Architecture, Croatia*

Danilo Đurović, Ph.D, Professor, University of Montenegro, Faculty of Maritime, Kotor, Montenegro

Miroslav Radojičić, Ph.D, Professor, University of Kragujevac, Technical faculty, Čačak, Serbia

Vesna Spasojević Brkić, Ph.D, Professor, University of Belgrade, Mechanical faculty, Serbia

#### EDITORIAL OFFICE:

University of Novi Sad  
Technical faculty "Mihajlo Pupin" Zrenjanin  
23000 Zrenjanin, Djure Đakovica bb  
Republic of Serbia,  
Phone: +38123550515,  
Fax: +38123550520,  
E-mail: [jemc@tfzr.uns.ac.rs](mailto:jemc@tfzr.uns.ac.rs),  
[jofemandc@yahoo.com](mailto:jofemandc@yahoo.com)  
<http://www.tfzr.uns.ac.rs/jemc>

LECTURER: Dragica Ivin, M.Sc.

COVER DESIGN: Stanislava Sindelić, M.Sc.

TEXT DESIGN AND TYPESETTING: Dragan Čočkaló, Ph.D.

ISSN: 2217-8147

Zrenjanin, 2012

Available online at

<http://www.tfzr.uns.ac.rs/jemc>

CIP - Каталогизација у публикацији  
Библиотека Матице српске, Нови Сад

62:005

**JOURNAL of Engineering Management and Competitiveness (JEMC)** [Elektronski izvor] / editor Zvonko Sajfert. – Online ed. – Elektronski časopis. – Vol. 1, no. 1/2 (2011) – Zrenjanin : University of Novi Sad, Technical faculty "Mihajlo Pupin" Zrenjanin, 2012-

Način pristupa (URL): <http://www.tfzr.uns.ac.rs/jemc>  
ISSN: 2217-8147  
COBISS.SR - ID 268908551

JOURNAL OF ENGINEERING MANAGEMENT AND COMPETITIVENESS  
(JEMC)

Volume 2, Number 2, 2012, ISSN 2217-8147

---

**TABLE OF CONTENTS**

<b>TRANSPORT ENERGY AND EMISSIONS AND THEIR RELATION TO ECONOMIC OUTPUT</b> Zdeněk ŘÍHA, Marek HONCŮ	<b>...38</b>
<b>A STOCHASTIC MODEL TO DETERMINE THE ELEMENTS OF PRODUCTION CYCLE TIME IN ENTERPRISE</b> Milivoj KLARIN, Vesna SPASOJEVIC BRKIĆ, Sanja STANISAVLJEV, Zvonko SAJFERT, Miroslav RADOJIČIĆ, Milan NIKOLIĆ, Bojan JOVANOVSKI	<b>...48</b>
<b>MENTAL MODELS FOR LEADERSHIP EFFECTIVENESS: BUILDING FUTURE DIFFERENT THAN THE PAST</b> Maša MAGZAN	<b>...57</b>
<b>EXPECTATIONS OF PARTICIPATIVE LEADERSHIP BEHAVIOUR IN BOSNIA AND HERZEGOVINA</b> Danijela BOGDANIĆ	<b>...64</b>
<b>INFLUENCE OF THE CUSTOMER EXPERIENCE ON SATISFACTION WITH MOBILE PHONES</b> Marina DOBROTA, Ana NIKODIJEVIĆ, Dobrivoje MIHAILOVIĆ	<b>...69</b>
<b>ENTREPRENEURSHIP AMONG STUDENTS: THE POTENTIAL IN SERBIA</b> Dejan ĐORĐEVIĆ, Dragan ČOČKALO, Srđan BOGETIĆ, Dragica IVIN	<b>...76</b>
<b>ECONOMIC VALUE ADDED IN FUNCTION OF DETERMINING INCENTIVE COMPENSATION SYSTEMS</b> Nemanja BERBER, Milan PASULA, Milan RADOŠEVIĆ	<b>...81</b>