

YOURS 2019

ABSTRACT PROCEEDINGS

YOUng ResearcherS Conference 2019

26 - 27 March 2019

Ministry of Education, Science and Technological Development

Editorial Board of Journal of Applied Engineering Science

Belgrade Fair



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YOUnG ResearcherS Conference 2019

26 – 27 March 2019 – Belgrade Fair

This year's conference topics are related to technologies, materials, production processes, organizational aspects, information technologies and engineering software, standards and regulations, tests and measurements, maintenance and reliability, costs and other economic aspects, fuels and lubricants, ecology and energy efficiency, within three fields:

**VEHICLES AND OTHER MEANS OF TRANSPORTATION, LOGISTICS AND
TRANSPORT, MILITARY INDUSTRY.**

YOURS 2019 highlights the presentation of new trends, advances and research in all mentioned areas bringing together prosperous researchers with leading professionals, academicians, universities, industry experts from around the region. The International Conference **YOURS 2019** is dedicated towards supporting young researchers and their results in its broadest sense and promotes innovative practices that advance academic achievements.

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ANALYSIS OF VARIOUS IMPACTS ON ENERGY CONSUMPTION OF ELECTRIC VEHICLES

Miloš Maljković, Ivan Blagojević

Faculty of Mechanical Engineering, University of Belgrade, Serbia

Summary: Due to the predicted increase of electric vehicle worldwide market share, it is very important to analyze the energy consumption and the factors affecting it. The results of the research can contribute to a better understanding of the energy resources needed and vehicle autonomy, and also to the education of drivers and potential users. This paper deals with the analysis of various factors that influence the energy consumption of electric vehicles and the examination of certain mathematical models, developed to predict the autonomy of such vehicles. In addition to environmental, road and vehicle design factors, the influence of the driver on the energy consumption is also considered. Based on the conducted analysis, appropriate conclusions are drawn and a proposal for future research is given.

Keywords: electric vehicles, energy efficiency, energy consumption.

11:00-11:30 - GRAND OPENING

Prof. dr Gradimir Danon, Editor in Chief of Journal of Applied Engineering Science

Prof. dr Nenad Zrnić, Vice rector of the University of Belgrade

Prof. dr Vladimir Popović, State secretary for science of Ministry of education, science and technological development of Serbia

11:30-13:30 - PAPER PRESENTATION

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HIGH SURFACE AREA TRANSITION METAL FOAMS FUNCTIONALIZED BY Pd FOR HYDROGEN PRODUCTION AND ALCOHOL OXIDATION

13:30:14:30 - LUNCH BREAK

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17:30-18:00 – CONFERENCE CLOSING

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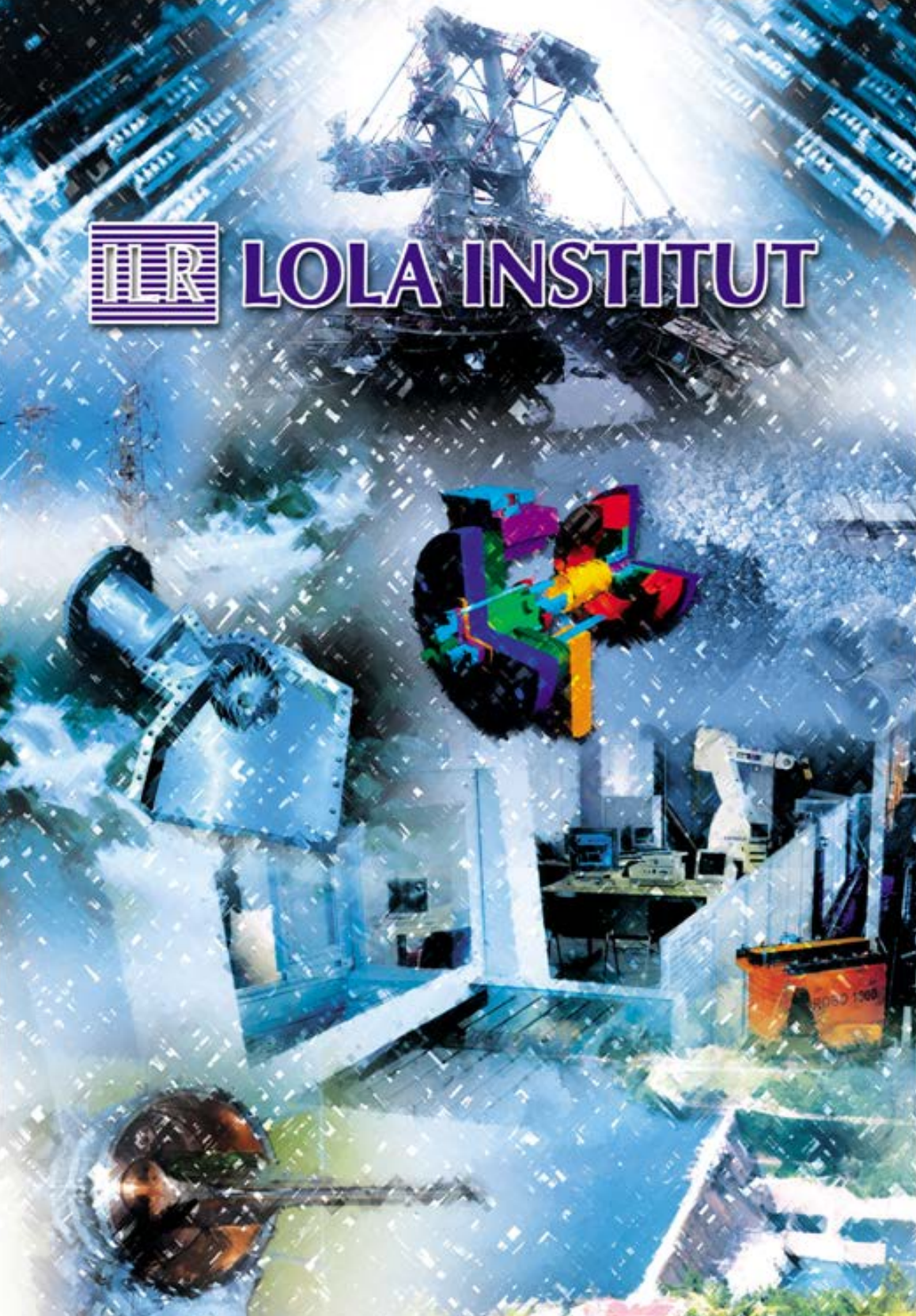
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