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4th International Conference on Competitive Materials and Technology Processes (IC-CMTP4)

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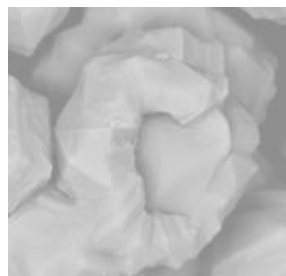
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THE 4TH INTERNATIONAL CONFERENCE ON COMPETITIVE MATERIALS AND TECHNOLOGY PROCESSES

October 3-7, 2016 / Miskolc-Lillafüred, Hungary

Organized by the International Scientific Advisory Board (**ISAB**),
International Organizing Committee (**IOC**) and
Session Chairs



Abstract

The competitiveness is one of the most important component of our life and it plays key role in efficiency both of organizations and societies. The more scientific supported and prepared organizations develop more competitive materials with better physical, mechanical, chemical and biological properties and the leading companies are applying more competitive equipment and technology processes.

The aims the 4th International Conference on Competitive Materials and Technology Processes (**ic-cmtp4**) and the Symposiums **is-ism1**, **is-icbm2** and **is-icm2** are the followings:

- Promote new methods and results of scientific research in the fields of material, biological, environmental and technology sciences;
- Change information between the theoretical and applied sciences as well as technical and technological implantations.
- Promote the communication between the scientist of different nations, countries and continents.

Among the major fields of interest are innovative materials with increased physical, chemical, biological, medical, thermal, mechanical properties and dynamic strength; including their crystalline and nano-structures, phase transformations as well as methods of their technological processes, tests and measurements. Multidisciplinary applications of material science and technological problems encountered in sectors like ceramics, glasses, thin films, aerospace, automotive and marine industry, electronics, energy, construction materials, medicine, biosciences and environmental sciences are of particular interest.

In accordance to the program of the conference **ic-cmtp4**, and its symposiums **is-ism1**, **is-icbm2** and **is-icm2** we have received more than **450** inquires and registrations from **46** countries of **5** continents. Finally from them more than **240** abstracts were accepted for presentation, including the **10** PLENARY lectures. Scientists and researchers have arrived to Miskolc-Lillafüred (Hungary) from **41** countries of Asia, Europe, Africa, North and South America and Australia.

Together with co-authors in this book are presented abstracts from more than **700** scientists and researchers..

Prof. Dr. László A. GÖMZE
*chair, **ic-cmtp4***

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Some of the presented works in the **ic-cmtp4** conference were selected by the Editorial Board of scientific journal **Építőanyag-JSBCM** and were published in it as the followings:

M Khramchenkov and E Khramchenkov 2016 *Építőanyag-JSBCM* **68** (2) 34

<http://dx.doi.org/10.14382/epitoanyag-jsbcm.2016.6>

A Isaev, V Grechishnikov, P Pivkin, Y Ilyukhin, M Kozochkin and P Peretyagin 2016 *Építőanyag-*

JSBCM **68** (2) 46 <http://dx.doi.org/10.14382/epitoanyag-jsbcm.2016.8>

V Lutsyk, A Zelrnaya, A Zyryanov and E Nasrulin 2016 *Építőanyag-JSBCM* **68** (2) 52

<http://dx.doi.org/10.14382/epitoanyag-jsbcm.2016.9>

S P Buyakova, E S Kalatur, A S Buyakov and S S Kulkov 2016 *Építőanyag-JSBCM* **68** (3) 70

<http://dx.doi.org/10.14382/epitoanyag-jsbcm.2016.12>

I Zhukov, S P Buyakova and S S Kulkov 2016 *Építőanyag-JSBCM* **68** (3) 74

<http://dx.doi.org/10.14382/epitoanyag-jsbcm.2016.13>

A Urakov, N Urakova, A Reshetnikov, A Kasatkin, M Kopylov and D Baimurzin 2016

Építőanyag-JSBCM **68** (4) 110 <http://dx.doi.org/10.14382/epitoanyag-jsbcm.2016.19>

A Vereschaka, A Kutin, N Sitnikov, G Oganyan and O Sharipov 2016 *Építőanyag-JSBCM* **68**

(4) 114 <http://dx.doi.org/10.14382/epitoanyag-jsbcm.2016.20>

G M Rodriguez Torrez, J Zarate Medina and M E Contreras Garcia 2016 *Építőanyag-JSBCM*

68 (4) 120 <http://dx.doi.org/10.14382/epitoanyag-jsbcm.2016.21>

M E Abad-Javier, M Cajero-Juárez and M E Contreras Garcia 2016 *Építőanyag-JSBCM* **68**

(4) 124 <http://dx.doi.org/10.14382/epitoanyag-jsbcm.2016.22>

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AIPEA – International Association for the Study of Clays

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cfi – ceramic forum international (**Germany**)

ECA – European Crystallographic Association

Építőanyag – Journal of Silicate Based Composite Materials (**Hungary**)

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ICG – International Commission of Glass

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SBAO – Society for Biomaterials and Artificial Organs (**India**)

SZTE – Scientific Society of Silicate Materials (**Hungary**)

TSU – Tomsk State University (**Russia**)

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