

Foreword: Proceedings – Paper selection “Advanced Ceramics and Applications”

It is a pleasure to notice that the Conference on “Advanced Ceramics and Applications” organized under the auspices of the Serbian Ceramics Society and the Serbian Academy of Sciences is developing successfully.

Advanced ceramics as well functional as structural are most important in view of the future industrial innovation and will play an important role in the whole spectrum of applications as energy and transport technologies, information and communication, health care, etc.

This conference is of great importance for the promotion of research, technology and industrial development in the Balkan countries as well as at universities, research centers and industry and to establish contacts and collaboration with foreign countries especially in Western Europe, Asia and the United States.

After a decade-long operation, the conference is becoming known and recognized, and experienced scientists, professors and industrialists are becoming lecturers from all over the globe and shown interest to come to Belgrade, share experience and seek for joint research activities. It looks that researchers from Asian countries like China, South Korea and Japan have special interest to establish links with the Balkan Ceramics and composites science regions.

The Conference receives the full support and promotion of the International Ceramic Federation (ICF) and European Academy of Sciences and Arts (EASA) which includes all Western and Eastern European ceramics societies, and this is a good sign to strengthen the contacts within Europe. A statement should also be made that the prestigious American Ceramics Society, with the Chapter in Serbia, also subscribes support.

The conference itself treats a broad spectrum of topics within the ceramics area covering fundamental aspects, applied research, and industrial and applications in hospitals. New developments are reported in ceramics for energy, nuclear, transport sectors, but also innovations in health care with highlights in the field of orthopedics, as well as nice contributions for informatics and communication branches.

A very positive point is that the conference is attended by a young generation of students and researchers, and this fact is very promising for the future.

Finally, the efforts of Professor V. Mitic in collaboration with the Serbian Ceramics Society and the Serbian Academy for Sciences are greatly appreciated and should be given the courage to continue their efforts for the benefits of Serbia and the whole Balkan region.

As one of the founders of this conference in Serbia, I am quite proud to tell that the conference has not only reached the level of recognition in all Balkan countries but also penetrated Western European research and industry circles and even made the conference worldwide known.

The proceeding are of high level and worthwhile to read and may inspire many young researchers and motivate industrialists from Western Europe to integrate the Balkan ceramic researchers in their European Research Programmes in future with special attention to the new European Commission Research Programme 2021–2027 just started.

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