

Seminar dedicated to
Dr. Mrityunjay Singh

CHALLENGES IN THE DEVELOPMENT OF CERAMIC MATERIALS

on the occasion of the awarding him
of an honorary doctorate (Dr. hc.)
of AGH University of Krakow

PROGRAM | 1st June 2023, 14.00-16.30, AGH University of Krakow, Building B8, room 0.10 (1st floor)

Introduction. Prof. Jerzy Lis
Rector of the AGH University of Krakow, Poland

CERAMICS: MATERIALS, TECHNOLOGIES, AND PEOPLE

American Perspective. Prof. Rajiv Asthana¹ and Dr. Mrityunjay Singh²
¹University of Wisconsin-Stout, Menomonie, USA
²Chief Scientist, Ohio Aerospace Institute, Cleveland, USA

INTEGRATION TECHNOLOGIES FOR STRUCTURAL
CERAMICS AND COMPOSITES: PROGRESS,
CHALLENGES, AND PROSPECTS

Asian Perspective. Prof. Young-Wook Kim¹ and Dr. Mrityunjay Singh²
¹University of Seoul, South Korea
²Chief Scientist, Ohio Aerospace Institute, Cleveland, USA

ADVANCED PROCESSING AND APPLICATIONS
OF SILICON CARBIDE CERAMICS

European Perspective. Prof. Zbigniew Pędzich
AGH University of Krakow, Poland, Faculty of Materials Science and Ceramics,
Member of Permanent Executive Committee of the European Ceramic Society

CERAMICS DEVELOPMENT – BETWEEN ECOLOGY,
ECONOMY AND POLICY

Industrial Perspective. Dr. Marek Grabow
Director of the Energy Institute, CEREL, Ceramic Department CEREL,
Boguchwała, Poland (Instytut Energetyki, Oddział Ceramiki CEREL)

MODERN STRUCTURAL CERAMICS

Industrial Perspective. Dr. Wiesław Zelik and Dr. Artur Bradecki
Research and Development Center for Ceramic Materials, Magnesite Plant,
Ropczyce, Poland (Zakłady Magnezytowe "ROPCZYCE" S.A.)

CHALLENGES AND DIRECTIONS OF CHANGES IN THE
CERAMIC REFRACTORY MATERIALS INDUSTRY ON THE
EXAMPLE OF ZAKŁADY MAGNEZYTOWE "ROPCZYCE" S.A.

Concluding Remarks. Dr. Mrityunjay Singh
Chief Scientist, Ohio Aerospace Institute, Cleveland, USA

Chairman: Prof. Jerzy Jedliński
AGH University of Krakow, Poland
Dean of the Faculty of Materials Science and Ceramics



wimic
FACULTY OF MATERIALS SCIENCE AND CERAMICS
AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY