



HUMAN CAPITAL
NATIONAL COHESION STRATEGY



EUROPEAN UNION
EUROPEAN
SOCIAL FUND



The project is co-funded by European Union from financial resources of European Social Fund

Institute of Engineering Materials and Biomaterials SILESIA UNIVERSITY OF TECHNOLOGY

NANATRIM Project



**Improvement of education
attractiveness within
macro-specialization
Nanotechnology
and Technologies
of Materials Processes**



HUMAN CAPITAL
NATIONAL COHESION STRATEGY



EUROPEAN UNION
EUROPEAN
SOCIAL FUND



The project is co-funded by European Union from financial resources of European Social Fund

Institute of Engineering Materials and Biomaterials SILESIA UNIVERSITY OF TECHNOLOGY

QUAPINFO Project



**Increasing attractiveness
of education quality within
macro-specialization
Applied Computer Science
and Computational
Materials Science**




Institute of Engineering Materials and Biomaterials
Faculty of Mechanical Engineering
SILESIA UNIVERSITY OF TECHNOLOGY

PROJECT



infonano

Priority courses

-  **Nanotechnology and Technologies of Materials Processes**
-  **Applied Computer Science with Computational Materials Science**
-  **Materials Engineering** with 4 education profiles:
 -  **Dental Engineering**
 -  **Surface Engineering**
 -  **Management Engineering**
 -  **Processes Automation**



**INNOVATIVE
ECONOMY**
NATIONAL COHESION STRATEGY



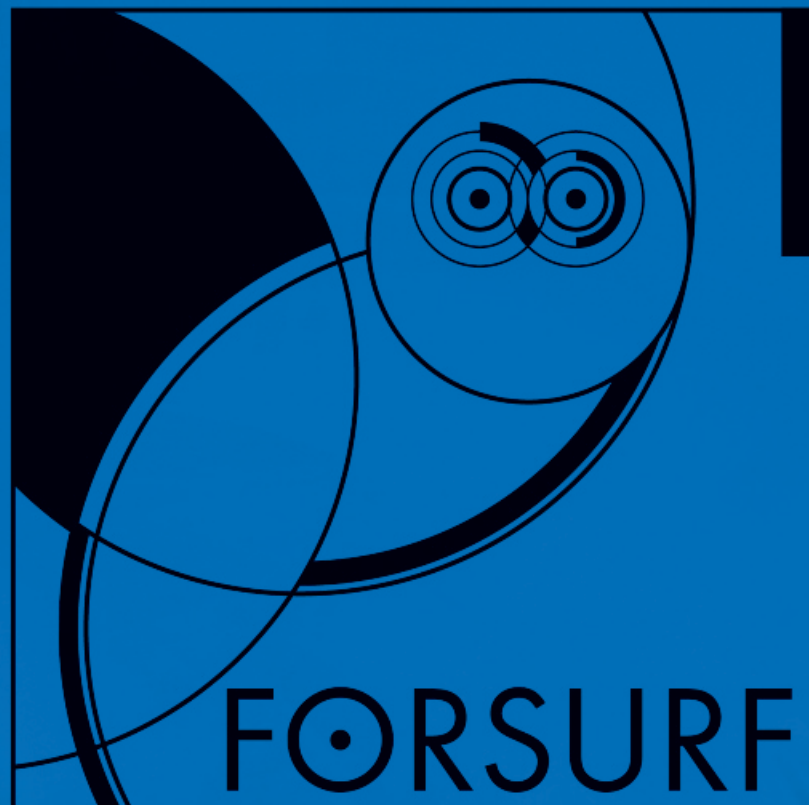
EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND



The project is co-funded by European Union from financial resources of European Regional Development Fund

**INSTITUTE OF ENGINEERING MATERIALS AND BIOMATERIALS
SILESIA UNIVERSITY OF TECHNOLOGY**

Foresight of surface properties formation leading technologies of engineering materials and biomaterials





**REGIONAL
PROGRAMME**
NATIONAL COHESION STRATEGY



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND



The project is co-funded by European Union from financial resources of European Regional Development Fund

Institute of Engineering Materials and Biomaterials SILESIAN UNIVERSITY OF TECHNOLOGY



Modernisation and equipping of the research and forming laboratories of engineering materials in Gliwice



**INFRASTRUCTURE
AND ENVIRONMENT**
NATIONAL COHESION STRATEGY

EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND



The project is co-funded by European Union from financial resources of European Regional Development Fund

Institute of Engineering Materials and Biomaterials SILESIA UNIVERSITY OF TECHNOLOGY

The Scientific-Didactic Laboratory of the Nanotechnology and Materials Technology in Gliwice

PROJECT





In 2011 volumes 44(1)-49(2) of Journal of Achievements in Materials and Manufacturing Engineering were published



Volume 47
Issue 1
January 2011

ISSN 1897-2764



Volume 47
Issue 2
February 2011

ISSN 1897-2764

Archives of Materials Science and Engineering



Editor-in-Chief Prof. Leszek A. Dobrzański

International Scientific Journal published monthly
by the World Academy of Materials
and Manufacturing Engineering

<http://www.archivesmse.org>

Volume 47
Issue 2
February 2011

ISSN 1897-2764

Archives of Materials Science and Engineering



Editor-in-Chief Prof. Leszek A. Dobrzański

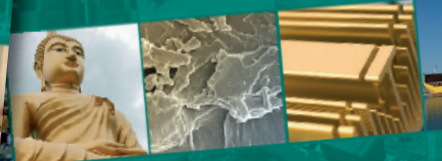
International Scientific Journal published monthly
by the World Academy of Materials
and Manufacturing Engineering

<http://www.archivesmse.org>

Volume 47
Issue 2
February 2011

ISSN 1897-2764

Archives of Materials Science and Engineering



Editor-in-Chief Prof. Leszek A. Dobrzański

International Scientific Journal published monthly
by the World Academy of Materials
and Manufacturing Engineering

<http://www.archivesmse.org>

Archives of Materials Science and Engineering

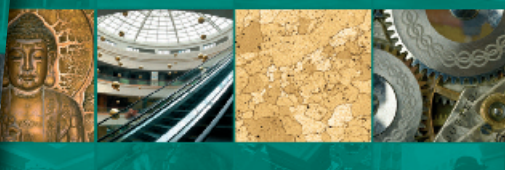


Editor-in-Chief Prof. Leszek A. Dobrzański

International Scientific Journal published monthly
by the World Academy of Materials
and Manufacturing Engineering

<http://www.archivesmse.org>

Archives of Materials Science and Engineering




Editor-in-Chief Prof. Leszek A. Dobrzański

International Scientific Journal published monthly
by the World Academy of Materials
and Manufacturing Engineering

<http://www.archivesmse.org>

Archives of Materials Science and Engineering



Editor-in-Chief Prof. Leszek A. Dobrzański

International Scientific Journal published monthly
by the World Academy of Materials
and Manufacturing Engineering

<http://www.archivesmse.org>

In the passing year volumes 47(1)-52(2) of Archives of Materials Science and Engineering appeared.



OPEN ACCESS LIBRARY



Scientific International Journal of the World Academy
of Materials and Manufacturing Engineering
publishing scientific monographs in Polish or in English only

Published since 1998 as Studies of the Institute of Engineering Materials and Biomaterials

Volume 1, 2011

Leszek A. DOBRZAŃSKI (ed.)

Effect of casting, plastic forming or
surface technologies
on the structure and properties
of the selected
engineering materials

OPEN ACCESS LIBRARY



Scientific International Journal of the World Academy
of Materials and Manufacturing Engineering
publishing scientific monographs in Polish or in English only

Published since 1998 as Studies of the Institute of Engineering Materials and Biomaterials

Volume 2, 2011

Maciej ROJEK

Metodologia badań
diagnostycznych warstwowych
materiałów kompozytowych
o osnowie polimerowej

OPEN ACCESS LIBRARY



Scientific International Journal of the World Academy
of Materials and Manufacturing Engineering
publishing scientific monographs in Polish or in English only

Published since 1998 as Studies of the Institute of Engineering Materials and Biomaterials

Volume 3, 2011

Janusz DOBRZAŃSKI

Materiałoznawcza
interpretacja trwałości stali
dla energetyki

OPEN ACCESS LIBRARY



Scientific International Journal of the World Academy of Materials and Manufacturing Engineering publishing scientific monographs in Polish or in English only

Published since 1998 as Studies of the Institute of Engineering Materials and Biomaterials
Volume 4, 2011

Danuta SZEWIECZEK

Wybrane materiały amorficzne
i nanokrystaliczne stopów
na osnowie Ni lub Fe

OPEN ACCESS LIBRARY



Scientific International Journal of the World Academy of Materials and Manufacturing Engineering publishing scientific monographs in Polish or in English only

Published since 1998 as Studies of the Institute of Engineering Materials and Biomaterials
Volume 5, 2011

Leszek A. Dobrzański
Anna D. Dobrzańska-Danikiewicz

Obróbka powierzchni
materiałów inżynierskich

OPEN ACCESS LIBRARY



Scientific International Journal of the World Academy of Materials and Manufacturing Engineering publishing scientific monographs in Polish or in English only

Published since 1998 as Studies of the Institute of Engineering Materials and Biomaterials
Volume 6, 2011

Anna D. DOBRZAŃSKA-DANIKIEWICZ (ed.)

Materials surface engineering
development trends

In 2011 Open Access Library began to be published

READING DIRECT



**INTERNATIONAL
OCSCO
WORLD PRESS**

at <http://www.journalamme.org>

Visit the International OCSCO World Press in the Internet to access a mine of up-to-date information about materials and manufacturing engineering.

The fast search facilities save your time while looking for latest publications and updates.

Materials:

Metallic Alloys, Tool Materials, Superplastic Materials, Ceramics and Glasses, Composites, Amorphous Materials, Nanomaterials, Biomaterials, Multifunctional and Smart Materials, Engineering Polymers

Properties:

Ductility and Crack Resistance, Fatigue, Creep-resistance, Fracture Mechanics, Mechanical, Electrical, and Magnetic Properties, Corrosion and Erosion, Wear Resistance, Non-Destructive Testing, Reliability Assessment, Toxicity, Working Properties of Materials and Products

Methodology of Research:

Electron Microscopy, X-ray Phase Analysis, Metallography and Quantitative Metallography, Image Analysis, Computer Assistance in the Engineering Tasks and Scientific Research

Analysis and Modelling:

Numerical Techniques, Statistic Methods, Residual Life Analysis, Process Systems Design, Mould Flow Analysis, Rapid Prototyping, CAD/CAM, CAMS, CAQ, Engineering Design, Constructional Design, Technological Design, Materials Design, Applied Mechanics, Computational Material Science and Mechanics, Materials and Engineering Databases, Expert Systems, Artificial Intelligence Methods

Manufacturing and Processing:

Casting, Powder Metallurgy, Welding, Sintering, Heat Treatment, Thermo-Chemical Treatment, Thin & Thick Coatings, Surface Treatment, Machining, Plastic Forming, Quality Assessment, Automation Engineering Processes, Robotics and Mechatronics, Technological Devices and Equipment

Cleaner Production and Biotechnology:

Theoretical Fundamentals of Cleaner Production, Industrial Application of Cleaner Production, Biotechnology

Industrial Management and Organisation:

Production and Operations Management, Production Planning and Control, Manufacturing Technology Management, Quality Management, Environmental Management, Safety and Health Management, Project Management, Physical Distribution and Logistics Management, Supply Chain Management, Productivity and Performance Management

Education and Research Trends:

Development of New Curricula for BSc and MSc Studies in the field of Materials Science, Manufacturing and Mechanical Engineering, Challenges of the Widening Labour Market, Complementary Roles of Developed and Developing Nations in Promoting a Global Industrial and Economical Infrastructure and Requirements on Common International Research and Teaching Development in the field of Materials, Manufacturing and Mechanical Engineering, Computer Aided Teaching, E-learning

Only papers positively pre-reviewed by at least two reviewers are published in the Journal



**The World Academy of Materials
and Manufacturing Engineering
and the Materials Science Committee
of the Polish Academy of Sciences**

would like to invite to the **20th Jubilee International
Scientific Conference on Achievements
in Mechanical and Materials Engineering**

AMME'12

which will be organised in Kołobrzeg
at the beautiful Polish seaside,

9th-12th September 2012

GLIWICE • KOŁOBRZEG

DEADLINES

Abstract and Paper Early Bird

Submission – 31st December 2011

PUBLICATION

AMME'2012 conference delegates are invited to prepare abstracts which will be published in the Conference Programme and Proceedings and full papers which will be published after peer reviews worked by experts invited by the Conference Organisers and after the choice made by the Organisers in:

- Worldwide Journal of Achievements in Materials and Manufacturing Engineering by the International OCSCO World Press, Gliwice – Campinas – Portland – Madrid – Daejeon – Brisbane – Cairo
- Archives of Materials Science and Engineering by the International OCSCO World Press, Gliwice – Sao Paulo – Athens – Osaka – Doha – West Lafayette – Auckland – Szczecin – Singapore
- Archives of Computational Materials Science and Surface Engineering by the International OCSCO World Press, Gliwice – West Lafayette – Daejeon – Riga – Campinas – Singapore – Rijeka



Conference Venue
Marine Hotel *****
Kołobrzeg, Poland

ADDRESS OF THE CONFERENCE:

AMME'2012 Conference Secretariat
Institute of Engineering Materials and Biomaterials,
Silesian University of Technology
ul. Konarskiego 18 a (room 366)
44-100 Gliwice, Poland

On-line registration and detailed information

Home page: <http://www.amme.pl>
E-mail: amme.info@polsl.pl

ISSN 1734-8412



17348412201100124900020100