Who is Who in the Croatian Academy of Engineering
Introduction to „Who is Who in the Croatian Academy of Engineering“

Vice-President of the Academy
Prof. Vladimir Medved, Ph. D.

„Who is Who in the Croatian Academy of Engineering“ includes short information on our individual members. Included are: Emeriti of the Academy (64), Members of the Academy (104), Associates of the Academy (84), International Members of the Academy (10) and Honorary Members of the Academy (8).

The information is updated with May 16, 2014. The basic information on Department adherence and status (not applicable to Honorary Members of the Academy) is given, followed by degrees attained (year of attaining the degree, area and institution giving the degree), contact information and key words defining member’s area(s) of scientific and professional activity. At the end, past and current duties in the Academy – if applicable – are listed in chronological order, with current (actual) duty written in Italics.

This compact base of information on our members will, we hope, demonstrate depth, but also breadth and richness of professional and scientific expertise of our membership (270 of them at the moment altogether) in Croatia and worldwide. Further, contact information presented in the base is the fundament for fruitful interpersonal communication.
Afrić, Winton, Assist. Prof. Ph.D.
Born: 1956
Department of Communication Systems
Associate of the Academy (admitted 2007)
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Graphic Technology, Screening Systems, Reproduction of Picture Information and Color Management in the Area of Printing Science and Graphic Communication
Secretary of the Department of Graphical Engineering (2009-2013) and (2013-2017)

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Signal Processing, Digital Systems Design, Automatic Control Systems
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Department</th>
<th>Achievements</th>
</tr>
</thead>
</table>
| **Alfirević, Ivo**| Prof. Emer. Ph.D.      | Department of Mechanical Engineering and Naval Architecture | Emeritus of the Academy (admitted 1993)  
B.Sc. in Mechanical Engineering (1962), University of Zagreb,  
Faculty of Mechanical Engineering and Naval Architecture,  
M.Sc. in Mechanical Engineering (1968), Illinois Institute of Technology, Ph.D.  
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Continuum Mechanics, Mechanics of Solids, Orthotropic Materials,  
Experimental Stress Analysis, Structural Analysis, Orthotropic Structures  
Secretary of the Department of Mechanical Engineering and Naval  
Vice-President of the Academy (1997-2001)  
| **Anayath, Rajendrakumar** | Prof. Ph.D. | Department of Graphical Engineering | International Member of the Academy (admitted 2013)  
M. Sc. in Technology (2002), Manipal Academy of Higher Education,  
Ph. D. in Printing and Media Engineering (2007), Manipal University  
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Textile Fibers, Textile Materials, Fiber Science, Recycling and  
Restoration of Textile Materials  
Secretary of the Department of Textile Technology (2013-2014) |
Andročec, Vladimir, Prof. Ph.D.
Born: 1946
Department of Systems and Cybernetics
Member of the Academy (admitted 1994)
B.Sc. in Naval Architecture (1970), M.Sc. in Naval Architecture (1976), Ph.D. in Naval Architecture (1986), all from the University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture
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Fluid Mechanics, Hydraulics, Hydraulic Modeling, Hydraulic Engineering, Coastal Engineering, Environmental Studies
President of the Academy (2013-2017)

Androić, Boris, Prof. Ph.D.
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Steel Structures, Reliability Engineering, Fatigue, Thin Walled Structures, Composite Structures, Design of Steel Structures, Durability of Bridges, Reliability of Structures

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Born: 1940
Department of Civil Engineering and Geodesy
Emeritus of the Academy (admitted 1993)
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Civil Engineering, Concrete and Masonry Structures, Earthquake Engineering, Experimental Methods, Earthquake Strengthening of Masonry Structures, Reconstruction of Historical Buildings, War Damage Assessment
Vice-President of the Academy (1993-1995)
Secretary-General of the Academy (1997-2001) and (2001-2003)
Chair of the Committee for Finances (1997-2001) and (2001-2003)
Anžek, Mario, Prof. Ph.D.
Born: 1945
Department of Transport
Member of the Academy (admitted 2007)
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Telematics, Intelligent Transport Systems

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Architecture, Buildings for Education

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Food Technology, Food Safety, Carbohydrates

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Department of Architecture and Urban Planning
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Electrical Machines and Drives, Power Engineering, Education
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Born</th>
<th>Department</th>
<th>Academic History</th>
<th>University</th>
<th>Address</th>
<th>Contact Information</th>
<th>Research Interests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barbir, Frano</td>
<td>Prof. Ph.D.</td>
<td>1954</td>
<td>Department of Power Systems</td>
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<td>Fuel Cells, Hydrogen, Heat Transfer, Electrochemical Energy Conversion</td>
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<tr>
<td>Bartolić, Juraj</td>
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<td>1948</td>
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<td>1967</td>
<td>Department of Mining and Metallurgy</td>
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Information and Communication Technologies and Systems, Signal Processing

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Power Electronics, Semiconductor Devices, Professional Communication, Editing
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Electromagnetic Field Theory, Numerical Field Computation, Calculation of Grounding Systems, Design of Electrical Machines
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Winter Concreting, Rapid Hardening of Concrete, Durability of
Concrete, High Quality of Concrete, Repair of Concrete Structures,
Properties of Concrete, Concrete Technology, Realization of Concrete
Structures, Durability of Concrete and Concrete Structures

Biondić, Božidar, Prof. Emer. Ph.D.
Born: 1940
Department of Civil Engineering and Geodesy
Emeritus of the Academy (admitted 1994)
B.Sc. in Mining Engineering (1964), University of Zagreb, Faculty of
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Hydrogeology and Engineering Geology, Karst Water Protection, New
Potable Water Resources, Water Management, Engineering Geological
Research for Infrastructural Objects

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Civil Engineering, Material Corrosion, Durability of Reinforced
Concrete Structures, Non-destructive Testing of Concrete in
Structures, Precast Concrete, Concrete Technology, Corrosion
Protection, Corrosion Inhibitors, Durability of Reinforced Concrete
Secretary of the Department of Civil Engineering and Geodesy
Bogdan, Željko, Prof. Ph.D.
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Department of Power Systems
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B.Sc. in Mechanical Engineering (1973), University of Zagreb,
Faculty of Mechanical Engineering and Naval Architecture, M.Sc. in
Mechanical Engineering (1980), Tohoku University, Ph.D. in
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Mathematical Modeling, Simulation and Optimization of
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Plants

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Department of Information Systems
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Artificial Intelligence, Formal Methods in the Design of Computing
Systems, Knowledge Elicitation from Data, Intelligent Computer
Based Systems, Formal Models of Complex Systems, Process Modeling
Secretary of the Department of Information Systems (2005-2009)
Chair of the Committee for Awards (2005-2009)

Bolanča, Stanislav, Prof. Ph.D. (retired)
Born: 1946
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Member of the Academy (admitted 1998)
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Graphic Arts Technology, Printing Technology, Main Printing
Techniques, Digital Printing, Printing on Packaging
Secretary of the Department of Graphical Engineering (1998-2003)
and (2003-2005)
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Antennas, Microwaves, Electromagnetic Compatibility, Electromagnetic Interference, Radar Systems

*Secretary of the Department of Communication Systems (2013-2017)*

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Biochemical Engineering, Kinetics of Microbial Processes, Mathematical Modeling of Biochemical Reaction Systems, Microbial Cultivation Methods, Environmental Biotechnology, Industrial Production of Microbial Metabolites, Biochemical Reactors
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Department of Transport
Emeritus of the Academy (admitted 1993)
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Civil Engineering, Transportation, Mathematical, Statistical and Experimental Analyses of Vibration Problems on the Tracks and the Sleepers
Chair of the Inaugural Assembly of the Academy (1993-1994)
President of the Academy (1993-1997)
Honorary President of the Academy (1997-2001) and (2001-2003)
Secretary of the Department of Traffic and Transportation Sciences (1994-1997)
Secretary of the Department of Traffic and Transportation (1997-2001) and (2001-2003)

Božičević, Juraj, Prof. Ph.D. (retired)
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Secretary-General of the Academy (1993-1997)
Secretary of the Department of Systems and Cybernetics (1993-1997)
President of the Academy (1997-2001) and (2001-2003)
Chair of the Council of the Centers (2003-2005)
Past President of the Academy (2003-2005) and (2005-2009)
<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
<th>Department</th>
<th>Details</th>
</tr>
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</table>
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Department of Mechanical Engineering and Naval Architecture  
Emeritus of the Academy (admitted 1994)  
B.Sc. in Mechanical Engineering (1961), M.Sc. in Mechanical Engineering (1971), both from the University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture  
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Secretary of the Department of Mechanical Engineering and Naval Architecture (2000-2001) and (2001-2003) |
| Car, Stjepan      | Ph.D.                       | Department of Electrical Engineering and Electronics | Born: 1949  
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Associate of the Academy (admitted 1995)  
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Electrical Engineering, Electrical Machines, Electrical Drives, Management of R&D in Electrical Engineering, Renewable Energy  
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Born: 1942
Department of Transport
Member of the Academy (admitted 1993)
B.Sc. in Civil Engineering (1968), University of Zagreb, Faculty of Civil Engineering, Ph.D. in Transportation and Traffic Sciences (1976), University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture
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Secretary of the Department of Transport (2009-2013) and (2013-2017)

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Born: 1964
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Collaborating Member of the Academy (admitted 2005)
B.Sc. in Electrical Engineering (1987), M.Sc. in Electrical Engineering (1992), Ph.D. in Electrical Engineering (1997), all from the University of Zagreb, Faculty of Electrical Engineering and Computing
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Sensors, Electronic Instrumentation, Design and Manufacturing of Electronic Devices, Measurement and Analysis of Biomedical Signal

Čaušević, Mehmed, Prof. Ph.D.
Born: 1945
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B.Sc. in Civil Engineering (1969), M.Sc. in Civil Engineering (1973), both from the University of Belgrade, Faculty of Civil Engineering, Ph.D. in Civil Engineering (1977), University of Ljubljana
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Earthquake Engineering, Wind Engineering, Steel Structures, Bridges, Dynamics of Structures, Stability of Structures
| Name               | Position            | Born   | Department                | Member of the Academy | Academic Qualifications                                                                 | Address                                                                                   | Contact Details                                                                 | Research Areas                                                                 |
|--------------------|---------------------|--------|---------------------------|-----------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Čišić, Dragan      | Assoc. Prof. Ph.D.  | 1955   | Department of Transport   | (admitted 2005)       | B.Sc. in Electrical Engineering (1977), M.Sc. in Electrical Engineering (1982), both from the University of Zagreb, Faculty of Electrical Engineering and Computing, Ph.D. in Maritime Logistics (1999), University of Rijeka, Faculty of Maritime Studies | University of Rijeka, Faculty of Maritime Studies, Studentska 2, 51000 Rijeka            | tel: +385 98 219600 | Logistics, Electronic Commerce, Open User Centered Innovation                     |
| Ćorić, Večeslav    | Prof. Ph.D.         | 1946   | Mechanical Engineering and Naval Architecture | (admitted 2002)  | B.Sc. in Naval Architecture (1970), M.Sc. in Naval Architecture (1978), Ph.D. in Naval Architecture (1990), all from the University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture       | University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Ivana Lučića 5, 10000 Zagreb | tel: +385 1 6168428, fax: +385 1 6156940 | Naval Architecture, Ship Structures, Naval Hydrodynamics, Theory of Sea Keeping, Numerical Methods, Offshore Technology (Design) |
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<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Area of Expertise</th>
</tr>
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<tbody>
<tr>
<td>Dalbelo Bašić, Bojana</td>
<td>Prof. Ph.D.</td>
<td>Artificial Intelligence, Machine Learning, Data and Text Mining, Natural Language Processing</td>
</tr>
<tr>
<td>Damić, Vjekoslav</td>
<td>Prof. Ph.D.</td>
<td>Mathematical and Computer Modeling and Simulations, Bond Graph Modeling, Engineering Graph Modeling</td>
</tr>
<tr>
<td>Debrecin, Nenad</td>
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<td>Heat Transfer, Nuclear Power Plants, Accident Analysis, Nuclear Power Plant Simulation, System Thermal-hydraulic Codes, Uncertainty Analysis</td>
</tr>
</tbody>
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<th>Date of Birth</th>
<th>Department</th>
<th>Academic Positions</th>
<th>University and Faculty</th>
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<td>Regional and Landscape Planning, Urban and Landscape Design</td>
</tr>
<tr>
<td>Kalpić, Damir, Prof. Ph.D.</td>
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<tr>
<td>Department of Information Systems</td>
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<tr>
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<tr>
<td>University of Zagreb, Faculty of Electrical Engineering and Computing, Unska 3, 10000 Zagreb</td>
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<tr>
<td>e-mail: <a href="mailto:damir.kalpic@fer.hr">damir.kalpic@fer.hr</a>; <a href="http://www.fer.hr/Damir.Kalpic/">http://www.fer.hr/Damir.Kalpic/</a></td>
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<tr>
<td>Operational Research, Mathematical Modeling, Data Modeling, Software for Linear Programming and Related Fields, Production Planning Software, Business Process Reengineering, Information Systems, Natural Language Processing</td>
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<thead>
<tr>
<th>Karlović, Damir, Prof. Emer. Ph.D. (retired)</th>
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<tr>
<td>Born: 1938</td>
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<tr>
<td>Department of Bioprocess Engineering</td>
</tr>
<tr>
<td>Emeritus of the Academy (admitted 2002)</td>
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<tr>
<td>B.Sc. in Food Engineering (1969), Ph.D. in Food Engineering (1982), both from the University of Zagreb, Faculty of Technology</td>
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</tr>
<tr>
<td>Carbohydrate Chemistry and Technology, Food Engineering, Food Technology, Sweeteners Chemistry and Technology of Sweeteners, Food Processing</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Katavić, Ivan, Prof. Emer. Ph.D. (retired)</th>
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<tr>
<td>Born: 1929</td>
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<tr>
<td>Department of Mechanical Engineering and Naval Architecture</td>
</tr>
<tr>
<td>Emeritus of the Academy (admitted 1998)</td>
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<tr>
<td>B.Sc. in Metallurgical Engineering (1957), University of Ljubljana, Faculty of Engineering Ph.D. in Metallurgical Engineering (1976), University of Rijeka, Faculty of Engineering</td>
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<th>Research Interests</th>
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Materials in Printing Processes: Paper, Ink, Polymers
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<th>Name</th>
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<tr>
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Telecommunication Systems in Traffic, Telecommunication Lines and
Networks, Electromagnetic Compatibility, Telecommunication
Terminals, Planning and Designing of
Telecommunication Facilities and Networks
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Born Year</th>
<th>Department</th>
<th>Associate of the Academy (admitted)</th>
<th>Location</th>
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<th>Research Areas</th>
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<td>B.Sc. in Electrical Engineering (1968), M.Sc. in Electrical Engineering (1975), Ph.D. in Electrical Engineering (1981), all from the University of Zagreb, Faculty of Electrical Engineering and Computing</td>
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<td>B.Sc. in Machines and Transport Vehicles (1977), M.Sc. in Military Engineering (1985), both from the Zagreb Military Academy, Ph.D. in Mechanical Engineering (1993), University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture</td>
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<td>Multimedia Systems, Colorimetry, Graphic Technology, Psychophysics</td>
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</table>
| **Milković, Mateo** | Prof. Ph.D. Department of Electrical Engineering and Electronics Member of the Academy (admitted 2004)  
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Regional Planning, Town Planning, Urban Development, Environmental Protection
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<th>Name</th>
<th>Title</th>
<th>Born</th>
<th>Department</th>
<th>Associate of the Academy</th>
<th>Year</th>
<th>B.Sc., M.Sc., Ph.D. Details</th>
<th>Contact Information</th>
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<tbody>
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<td>Penava, Željko</td>
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<td>Textile Mechanical Technology, Textile Mechanics, CAD/CAM in Textiles, Smart Textiles, Construction and Design of the Textiles</td>
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<tr>
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<td></td>
<td>Engineering, Field, Traffic and Transportation, Branch Road and Rail Transport, Forensics Traffic Accidents.</td>
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<td>Chair of the Committee for Cooperation with the Economy and Regional Cooperation (2013-2017)</td>
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</tbody>
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<tr>
<th>Name</th>
<th>Title</th>
<th>Born</th>
<th>Department</th>
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</thead>
<tbody>
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<td>Chair of the Committee for Cooperation with the Economy and Regional Cooperation (2003-2005) and (2009-2013)</td>
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**Ružinski, Nikola**: Associate of the Academy (admitted 1994)
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<tr>
<th>Name</th>
<th>Professor</th>
<th>Birth Year</th>
<th>Department</th>
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<tr>
<td><strong>Salopek, Branko</strong></td>
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<td>Department of Mining and Metallurgy</td>
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<td></td>
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High Voltage Technology, New Insulating Materials, Transmission and Distribution, Transportation Engineering
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<th>Title</th>
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<tr>
<td><strong>Solarić, Nikola</strong></td>
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</tbody>
</table>

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<tr>
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<th>Position in Academy</th>
<th>University and Faculty</th>
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<th>Research Areas</th>
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<tbody>
<tr>
<td><strong>Šerman, Nikola</strong></td>
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