

Curriculum Vitae BRANKO KATALINIĆ

Professor, Vienna University of Technology,
Vienna, Austria, EU

Birth place: Starigrad-Paklenica, Zadar, Croatia
Date of birth: October 12, 1952
Citizenships: Honourary Austrian Citizenship given for the extraordinary
Results in Science and State Interests of Republic of
Austria (§ 10 Abs. 4 StbG) and Croatian

Education & Academic Background

1971-1976 (Dipl.-Ing.) Faculty of Mechanical Engineering and
Naval Architecture, University of Zagreb, Zagreb,
Croatia
1976-1969 (Mag. sci. technicae), Postgraduate studies at Faculty
of Mechanical Engineering and Naval Architecture,
University of Zagreb, Zagreb, Croatia
1980-1981 Specialization in Industrial Robotics, The Royal Institute
of Technology, (prof. G. Sohlenius), Stockholm,
Sweden
1979-1983 (Dr. technicae) Doctoral studies at Faculty of
Mechanical Engineering and Naval Architecture,
University of Zagreb, Croatia
1991 Venia docendi - Habilitation, Vienna University
of Technology, Vienna, Austria, ("Universitätsdozent" /
Associated Professor)

Languages Croatian, German, English, Russian

Special Fields of Knowledge: Manufacturing, Flexible Automation, Robotics,
Intelligent Manufacturing Systems, Selforganising Production Systems,
Mechatronics, International Scientific and Academic Collaboration

Present Research Interests: Intelligent manufacturing systems / Self organising
production systems / Robotics / Mechatronics / Megatrends in Science and
Technology / International scientific and academic cooperation

Professional Experience: Academic / Industry

2008 - Visiting Professor at University of Novi Sad, Serbia
1997-present Full Professor at University of Rijeka, Rijeka, Croatia
1996-present Full Professor at J.J. Strossmayer University of Osijek,
Osijek, Croatia
1996-present First Adjunct Full Professor at University of Zagreb,
Zagreb, Croatia

1995-present	Visiting professor at Faculty of Economics, MBA international postgraduate studies, University of Maribor, Maribor, Slovenia
1995	Visiting professor at Faculty of Mechanical Engineering, University of Maribor, Maribor, Slovenia
1993-1996	Visiting professor at Faculty of Mechanical Engineering, Slavonski Brod, Croatia
1994-present	Visiting professor at Slovak Technical University Bratislava, MTF Trnava, Trnava, Slovakia
1994-1997	Visiting professor at Faculty of Technical Science University of Rijeka, Rijeka, Croatia
1994 -present	Founder and Chairman of "Intelligent Manufacturing System" Section at Department of Production Engineering, Vienna University of Technology
1993-1996	Visiting professor - Euro Laser Academy, Europewide Postgraduate Studies (Aachen, Cambridge, Oxford, Liverpool, Vienna)
1992	Visiting professor at Asian Institute of Technology, Bangkok, Thailand (Robotics / FMS) Establishment of Production Engineering Studies.
1991	University Assistant ("Universitätsassistent") at Department for Production Engineering, Vienna University of Technology,
1991	Habilitation (venia docendi) at Vienna University of Technology (Robotics / CIM)
1986	University lecturer at Vienna University of Technology, (Course - "Robots: Design, Calculation and Simulation")
1985-1991	Senior Researcher, Vienna University of Technology, Department of Production Engineering, Vienna, Austria
1984-1985	Design of Flexible Transport Systems - Philips Video Plant - Vienna, Vienna
1981-1984	Scientific Assistant, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Zagreb, Croatia
1980-1981	Specialization in Industrial Robotics, The Royal Institute of Technology, (prof. G. Sohlenius), Stockholm, Sweden
1977-1980	University Assistant, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Croatia
1976-1977	Power Plant Construction (Košovo, Serbia and Negotino Macedonia), Monting Zagreb, Chief Engineer

Honours, Prizes, and Awards

1. "University Award for Excellent Students", University of Zagreb, May 2, 1974, Zagreb, Croatia
2. "Great Medal of the Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb", University of Zagreb, February 10, 1976, Zagreb, Croatia
3. "Certificate of Appreciation, Power Plant Negotino", May 1978, Skopje, Macedonia
4. "Certificate of Appreciation, University of Maribor" for excellence in international scientific collaboration in frame of DAAAM (Donau Adria Assoziation für Automation und Metrologie), as founder and president of DAAAM International, University of Maribor, November 27, 1994, Maribor, Slovenia
5. "500 Years Medal of Parliament of Republic Poland 1492-1992 (Senat Rzeczypospolitej Polskiej)" for the excellence in research and international scientific cooperation on benefit of Republic of Poland, November 28, 1995, Cracow, Poland
6. "Medal of Technical University of Kielce, (Politechnika Swietokrzyska Kielce)" In order to mark 30th Anniversary of University, for excellence in science and international scientific cooperation, Kielce, November 25, 1995, Kielce, Poland
7. "Honorary Badge of the Cracow University of Technology", Cracow University of Technology, Cracow, Poland, October 3, 1996
8. Medal and Certificate of University of Zagreb, University of Zagreb, Zagreb, Croatia, 3. November 1997
9. Gold Medal of Croatian Maintenance Society, Euromaintenance 98, Dubrovnik, Croatia, October 7, 1998
10. Award of University of Split – Faculty of Economics, University of Split, Split, Croatia, December 23, 1998
11. Diploma di Honore, Technical University of Cluj-Napoca University of Cluj-Napoca, Romania, 22. October 1998.
12. 80th Anniversary Award of Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Zagreb, Croatia 12. November 1999
13. Acknowledgement of Faculty of Mechanical Engineering, University of Mostar, 40 Anniversary of Faculty of Mechanical Engineering, University of Mostar, Mostar, Bosnia and Herzegovina, 25th February 2000
14. Gold Plaque of the University of Maribor, University of Maribor, Maribor, 11. October 2001
15. Medal of Material and Technology Faculty - Trnava, Slovak Technical University Bratislava, 2001-05-17

Doctor Honoris Causa

1. Doctor honoris causa (Dr.h.c.), Technical University of Kosice, Kosice, Slovakia, September 24, 1997
2. Doctor honoris causa (Dr.h.c.), Moscow Technical State University, Moscow, Russia, April 1998
3. Doctor honoris causa (Dr.h.c.), Tallinn Technical University, Tallinn, Estonia, September 2002
4. Doctor honoris causa (Dr.h.c.), University of Mostar, Mostar, Bosnia and Herzegovina, 15th December 2003

University Network of DAAAM International

1. Initiator and founder of University Network of DAAAM International Vienna, University Network was founded on 23rd November 1997, International Centre of Croatian Universities, (University of Zagreb), Dubrovnik, Croatia
2. DAAAM International Network for Advanced Technology. Initiator and founder of DAAAM International Network for Advanced Technologies, DAAAM International Network for Advanced Technologies was founded on 25th November 2002, Austrian Society of Engineers and Architects, Vienna, Austria
3. Danube Rectors' Conference. Member of Permanent Committee of Danube Rectors' Conference, since 1996. Initiator, founder and chairman of Scientific Committee for Technical Studies of Danube Rectors' Conference, founded at Danube Rectors' Conference, University of Leoben, Leoben, September 24, 1996, Austria

Visiting Researcher / Faculty:

Asian Institute of Technology, Bangkok, Thailand / Cracow University of Technology, Cracow, Poland / Iowa State University, Faculty of Mechanical Engineering, USA / J.J. Strossmayer University of Osijek, Osijek, Croatia / Johannes Kepler University, Linz, Austria / Kobe University, Faculty of Mechanical Engineering, Kobe / Moscow State University of Technology, Moscow, Russia / Royal Institute of Technology, Stockholm, Sweden / RWTH Fraunhofer Institut für Lasertechnik, Aachen, Germany / Technical University Brno, Brno, Czech Republic / Budapest University of Technology and Economics, Budapest, Hungary / Slovak Technical University Kosice, Bratislava, Slovakia / University of Applied Sciences – Technikum, Vienna, Austria / Baltic State Technical University, Sankt Petersburg, Russia / Sevastopol National Technical University, Sevastopol, Ukraine / Moscow Energetic Institute – Technical University, Moscow, Russia / University of Novi Sad, Novi Sad, Serbia / University of Sarajevo, Sarajevo, Bosnia and Herzegovina / Boku University Vienna, Vienna, Austria / Technical University Kosice, Kosice, Slovakia / University of Kobe, Faculty of Mechanical Engineering, Kobe, Japan / University of Liverpool, Liverpool, United Kingdom / University of Maribor, Faculty of Economics, Maribor, Slovenia /

University of Maribor, Faculty of Mechanical Engineering, Maribor, Slovenia / University of Mostar, Mostar, Bosnia and Herzegovina / University of Rijeka, Rijeka, Croatia / Danube University, Krems, Austria / University of Ulsan, Ulsan Korea / University of Zagreb, Zagreb, Croatia

Academy of Sciences

1. Croatian Academy of Sciences and Arts, Founding member of CIM-Section, Croatian Academy of Sciences and Arts, Zagreb, Croatia, September 22, 1992
2. International Engineering Academy, Moscow, Academicians since 2002

Societies and Associations: Initiator / Founder

1. Proponent, Initiator and coordinator for founding of International JAVA Club, Vice-president, Club is founded at International Congress object//component'97, Vienna, Imperial Palace on 25th November 1997
2. Initiator and coordinator for founding of University Network of DAAAM International
3. Initiator, founder and chairman of Scientific Committee for Technical Studies of Danube Rectors' Conference, founded at Danube Rectors' Conference, University of Leoben, Leoben, September 24, 1996, Austria; Pilot Projects: Inter University Doctoral Studies / Virtual University
4. Founding member of CIM-Section, Croatian Academy of Sciences and Arts, Zagreb, Croatia, September 22, 1992
5. Danube Adria Association for Automation and Manufacturing, DAAAM International, Vienna, Austria, Founder and President since 1990
6. ÖIAV -1848 Österreichischer Ingenieur- und Architekten Verein, (Austrian Society of Engineers and Architects), Division Mechanical Engineering - Founder and Chairman section Robotics since 1990, Vienna, Austria

References

1. Who is Who in Europe, 1st Edition, 2002, WhoEurope Int. Publishing Inc. London.U.K.
2. Yearbook of International Organisations, 38th Edition, 2001/2002, Bruxelles, Belgium
3. Kürschners Deutscher Gelehrten-Kalender 2003, (German Intellectuals Calendar 2003), 19th Edition, Vol. 1,2 and 3, ISBN 3-598-23607-7, K.G. Saur Verlag, München, 2003
4. Who is who in Finance and Industry, Marquis Who'sWho's, 33rd Edition, 2002-2003

5. Who is who in the World 1998-1999
6. Listed in Who is who in Science and Technology, Marquis Who is Who, 4th Edition, 1998-1999
7. Listed in Croatian Lexicon, (Hrvatski leksikon) First Edition, Vol. 1 (A-K), ISBN 953-96728-1-3, Ed. A. Vujic, Zagreb 1996, Croatia
8. Listed in "Wissenschaftslexikon Österreich - Personen", Verlag Edition Praesens, Wien 1996
9. Listed in "Who's who in Austria 1995 Edition", WHO'S WHO Verlag, Essen, 1996
10. Listed in "Who is who in Croatia", Golden Marketing, ISBN 953-6168-00-6, Zagreb, 1993
11. Listed in "The World Yearbook of Robotics Research and Development", "World Index of Robotics Researchers, Kogan Page, London 1986, Second Edition
12. Listed in "World Index of Robotics Researchers", The World Yearbook of Robotics Research and Development, Kogan Page, London 1985, First Edition

Consulting

1. Festo, Berkheim, Germany, Executive Advisor and Festo Project Director, responsible for the international cooperation with Universities and the academies of sciences
2. Skoda Auto as, Mlada Boleslav, Czech Republic
3. UNIDO, United Nations Industrial Development Organisation, UNO City, Vienna
4. Braincon Technologies, Vienna, Austria
5. Euro Laser Academy, Wien, Austria
6. DATALOGIC, Bologna - Vienna, Vienna, Austria
7. BRUCK Trading, Vienna, Austria
8. BIT, Bureau for International Research and Technology Cooperation, Vienna, Austria

Scientific and Professional Societies

1. British Robot Association, BRA, Kempstone Bedford, England (since 1981)
2. Senior Member - Robot Institute of America, Robotics International, Society of Manufacturing Engineers, Dearborn, Michigan, USA (since 1982)
3. Verein Deutscher Ingenieure, VDI, Düsseldorf, BRD (since 1984)
4. Japan Industrial Robot Association, JIRA, Tokyo, Japan (since 1985)
5. Croatian Society of Engineers, Zagreb, Croatia
6. Slovenian Society Informatica Ljubljana, Slovenia

7. American Association for Artificial Intelligence, AAAI Los Alamitos, California, USA (since 1990)
8. DAAAM International Vienna (since 1990)
9. Österreichische Gesellschaft für Artificial Intelligence, Vienna, Austria (since 1989)
10. The Society for Computer Simulation, San Diego, California, USA (since 1989)
11. Danube Adria Association for Automation and Metrology, DAAAM International, Vienna, Austria, Founder and President since 1990
12. Österreichischer Ingenieur- und Architekten Verein, Founder and Chairman section Robotics since 1990, Vienna, Austria. Vice president of division Maschinenwesen since Juni 1992
13. Korema, Zagreb, Croatia (since 1991)
14. International Federation on Production Research, since 1994

Important Industrial Projects

1. Design of flexible assembly system for the assembly of 8000 electrical motors á day, Flender Austria Antriebstechnik ATB, Knittelfeld
2. Optimization of the flow of the material, Böhler Werke AG, Werk Mürzzuschlag
3. Design of Flexible production system for Kone Sowitsch Just-in-Time Lift Factory
4. Design of flexible Manufacturing System for the concern Engel, Sankt Valentin
5. Optimisation of the family of industrial robots for the concern Voest-Alpine, Linz
6. Optimisation of Flexible Assembly Transport System, Philips, Austria
7. Design of heavy industrial robot for the Simmering-Graz-Pauker company

International projects:

1. Joint European Projects: (Erasmus, Leonardo, Tempus, Comett II, CEEPUS and CEEPUS II).
2. Initiator and University Network Coordinator for CEEPUS Project "Assembly Automation" A-104 1999-2002 und "Intelligent Manufacturing & Automation" since 2002
3. International Austrian Bilateral Research Projects: (Austrian partner in the bilateral projects between Austria and: Slovak Republic / Mexico / Russia / Thailand / Japan / Romania / Italy and Ukraine)

International Journals

1. International Journal of Advanced Robotic Systems, ISSN 1729-8806 (2004). One of the founders and Editor in Chief (2004-2008)
2. International Journal of Simulation Modelling ISSN 1726-4529 (2002). One of the founders and Editor
3. DAAAM International Scientific Book ISSN 1726-9687 (2002). Founder and Editor in Chief
4. Member of Editorial Board at eight International Journals (including: Journal of Intelligent Manufacturing, Chapman & Hall, London, ISSN 0956-5515)
5. Reviewer of more than 20 International Journals

International Conferences, Congresses, Symposiums and Workshops

1. Main organiser for more than 50 international conferences
2. Member of International Program Committees at more than 150 conferences
3. More than 170 Invited lectures in 24 countries
4. Editor of more than 50 proceedings and books

Some Publications*Conference Paper*

1. Stopper, M. & Katalinic, B.: Service-oriented Architecture Design Aspects of OPC UA for Industrial Applications, Proceedings of the International MultiConference of Engineers and Computer Scientists 2009, Vol II, ISBN: 978-988-17012-7-5, IMESC 2009, March 18-20, 2009, Hong Kong

Books

1. Nikolic, G.; Katalinic, B.; Rogale, D.; Jerbic, B. & Cubric, G.: Roboti & Primjena u industriji tekstila i odjece, ISBN 978-953-7105-22-8, Sveucilisni udzbenik, Tekstilno Tehnoloski Fakultet, Sveuciliste u Zagrebu, Zagreb, 2008; 336 pages
2. Velisek, K.; Katalinic, B. & Javorova, A.: Priemyselne Roboty a Manipulatory, ISBN 80-227-2490-0, Slovenská Technická Univerzita v Bratislave, Bratislava, 2005; 183 pages.
3. Velisek, K. & Katalinic, B.: "VÝROBNÉ SYSTÉMY I."; Slovenská Technická Univerzita v Bratislave, Bratislava, 2004, ISBN: 80-227-2009-7; 209 pages.

Editor

1. Balic, J; Majdandzic, N. Digital F@ctory, DAAAM International Publishing series – Manufacturing Technology, Editor-in-Chief: Katalinic, B., Vienna, 2008; ISBN 3-901509-67-4; 308 pages