



CANDIDATURE FOR ETPIS MANAGEMENT BOARD EXECUTIVE ELECTION

Personal data			
<i>Family Name:</i>	JOVANOVIC	<i>First Name:</i>	Aleksandar
<i>Date of birth:</i>	Sept. 29, 1953	<i>Nationality:</i>	German
<i>Profession:</i>	Prof. Dr. (Mech. Eng)		
<i>Company/Institute</i>			position
1. Steinbeis Advanced Risk Technologies R-Tech GmbH, Stuttgart			Director
2. European Virtual Institute for Integrated Risk Management EU-VRI Stuttgart (EEIG)			CEO
3. University of Stuttgart, Germany: ZIRN, the "Interdisciplinary Research Unit on Risk Governance and Sustainable Technology Development"			Lecturer, Program director EU

Scientific backgrounds & Research Interests	
<i>Academic degrees</i>	<ol style="list-style-type: none"> 1. Ph. D. - structural reliability assessment 2. P. E. (Professional registered engineer) 3. M. Sc. - reliability of systems and components" 4. Dipl.-Ing. - Mechanical Engineering
<i>Positions in industry</i>	<ul style="list-style-type: none"> • (EU Brussels, Belgium, Directorate-General for Enterprise and Industry, ENTER – Aerospace, security, defense and equipment) • Project engineer (Dept. head), MINEL, Belgrade, Manufacturing of systems for power industry • Engineer, Nuclear power plant KRSKO (PWR Westinghouse, USA) • Engineer, FOSTER WHEELER Corporation, Livingston, N.J. • Engineer (Group leader), GOSA, Manufacturer of components for power industry, Belgrade
<i>Main publications and communications</i>	<ul style="list-style-type: none"> • Over 250 papers and publications in intl. journals, conferences, EUR special reports, tutorials and invited lectures at many world und European conferences (WCES, EC2, SMiRT, etc.); a book on „Expert Systems in Structural Safety Assessment“ Springer Verlag • A. Jovanovic (1999). Integrated approach to risk-aware life management of plant components, Keynote lecture, Transactions of the 15th International Conference SMiRT-15 Seoul, Korea, August 15-20, 1999, Volume I, Plenary Lectures, Ed. Sung Pil Chang, pp 93-116 • Jovanovic, A. (2000). Extending the concept of Risk-based Inspection (RBI) to Risk-based Life Management (RBLM). State-of-the-art Resource Document prepared for and under a subcontract of JRC Petten, May 2000, EU DGIII (EUR report), Luxembourg, pp. 174 • Jovanovic, A. (2003). Risk-based inspection and maintenance in power and process plants in Europe. Nuclear Engineering and Design 226 , 165-182, Elsevier 2003 • Jovanovic, A., Filipovic N. (2006). Innovative modelling methods: Application of Dissipative Particle Dynamics to simulation of damage in self-healing of polymer-coated surfaces. Journal of Theoretical and Applied Mechanics 44, 637-648, Warsaw 2006



	<ul style="list-style-type: none"> Jovanovic et al. (2008) – CEN WA 24 Risk-based inspection and maintenance procedure for European industry (in press), CEN Brussels
<i>Affiliations to scholarship society or associations</i>	<ul style="list-style-type: none"> ASME – American Soc. of Mech. Eng. (USA); VDI – Verband Deutscher Ing., VWI – Verband Deutscher Wirtschaftsingenieure, GI – Gesellschaft für Informatik. (past) Chairman of EPERC (European Pressure Equipment Research Council – ca. 300 members); (past) Coordinator of the European Technology Platforms on Advanced Engineering Material (EuMaT – ca. 800 members) Co-coordinator of ETPIS – ca. 250 Member of the International Advisory Committee on Knowledge Based Multifunctional Materials (KMM-NoE) „Regional Chair for Europe“ - WCES World Congress on Expert Systems; Member of the Intl. Editorial Board "Failures and Lessons Learned in Information Technology Management".

Manifesto to serve ETPIS	
<i>Previous experiences with ETPIS</i>	<ul style="list-style-type: none"> One of the initiators of ETPIS in 2004 (at the time still with the EU, supporting the idea also "from the EU side") Initiator and the first convenor of the "Emerging Risks" FG of ETPIS Co-author of the respective emerging risks and of the impact related parts of the ETPIS SRA
<i>Reasons for wishing to be elected to the ETPIS Executive Board</i>	<ul style="list-style-type: none"> To continue promoting the European concept of "integrated risk management", especially when dealing with "emerging risks" related to new technologies ("the ETPIS concept of integrated management of emerging risks") To provide and help providing the state-of-the-art technical contents to the above ETPIS concept – it must become/be the leading one worldwide To make the above concept accepted by ETPIS and all the stakeholders in Europe (industry, research, academia, legislators, authorized bodies...) To ensure that the above activities result in the competitive advantages for all ETPIS members To ensure that the above activities result in tangible benefits for all ETPIS members
<i>Main interests to contribute to ETPIS for the next 3 years</i>	<ul style="list-style-type: none"> TECHNICAL & SCIENTIFIC CONTRIBUTIONS: In particular, the tangible contributions to the above I plan to provide as the coordinator of the large scale collaborative project iNTeg-Risk, Early Recognition, Monitoring and Integrated Management of Emerging, New Technology Related Risks, as coordinator or participants of/in other projects in the area, and, last but not least as the CEO of the EU-VRi (The European Virtual Institute for Integrated Risk Management). ORGANIZATIONAL CONTRIBUTIONS: Help ensure the suitability of ETPIS by helping it to develop and maintain its organizational structure, organize events, groups, PR-activities...