

CURRICULUM VITAE

Name: Antun MIKULECKY

Present functions:

- Head of R & D (Transformer Department)
- Member of SC A2 (Transformers) HRO CIGRÉ
- Convener of the CIGRE WG A2.43 Transformer bushings reliability
- Member of the CIGRE WG A2.37 Transformers reliability
- Member of the CIGRE A2 AG Transformer Utilisation

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Year of birth: 1956.

University education:

- B.Sc. Electrical Engineer (Electrical Power Department), 1979, University of Zagreb,
- M.Sc., 2003, University of Zagreb,
(Thesis: "Diagnostics of Transformers Condenser Type Bushings")
- Ph.D. 2006, University of Zagreb
(Thesis: "Capacitance and Dielectric Dissipation Factor of Transformers Bushings")

Qualification:

- Ph.D., M.Sc., B.Sc. Electrical Engineer
- Head of R & D (Transformer Department)
- Lecturer on Postgraduate Specialistic Study – Transformers, University of Zagreb (collegiums: "Transformer Diagnostics and Maintenance" and "Electrical Field and Insulation Systems")
- Registered scientist in the Register of Scientists of the Ministry of Science, Technology and Sport Republic of Croatia (MSTS RC), since 1987.

Other qualification:

- Head of High Voltage Investigations Section (1984 to 1989)
- Head of Transformer Research Department (1989 to 1991)
- Head of Transformer Department (1995 to 1999)

Professional experience:

- Research, investigation and design of transformer and autotransformer insulation up to 850 MVA up to U_m 525 kV (LI 1550 kV, SI 1175 kV);
- Research, investigation and design of HVDC transformers;

- Research in HV-laboratory of insulation design criteria for oil-filled transformer;
- Research of on line and off line monitoring diagnostics methods for transformers;
- Research of diagnostic methods for transformers bushings;
- Overvoltage research and analysis of HV transformers;
- Transformer failure investigation, transformer design improvement and quality of transformers;
- Researcher on the project No. 008001 "Power and Instrument Transformers in Electric Power Transmission", MSTS RC, from 1996 to 2002, in charge of investigations of ageing of oil-paper insulation and the development of criteria for power transformer diagnostics;
- Researcher on the project No. 0165108 "Complete Measurement Result in Diagnostics and Tests of Transformers", MSTS RC, from 2002 to 2005, in charge of theoretical elaboration and expert systems in power transformer diagnostics;
- Researcher on the project No.165-0362321-1552: "Transformer on-line and off line monitoring and testing", MSTS RC from 2007 till today.
- Chairman of the section Transformer Life Management, International Colloquium Transformer Research and Asset Management, 2009, and 2012.
- Member of the Organizing Committee, International Colloquium Transformer Research and Asset Management, 2009, 2012 and 2014.

Reference of the publications:

- Author of about 80 papers, various studies and technical instructions, made at request of manufacturers and buyers of transformers, on fields of expertise that are the research and development of insulating systems of HV transformers, diagnostic and failure analysis of power transformers - their bushings in particular.
- Author of 42 published papers on HV transformer insulation, transformer diagnostics and monitoring, the bushings in particular, overvoltages and transformer fault analysis - see the attached list.

Experience in national meetings:

- Chairman of SC A2 HRO CIGRÉ from 2008 to 2012
- Secretary of SC A2 HRO CIGRÉ from 1992 to 2000, and from 2004 till 2008.
- Special reporter for SC A2 HRO CIGRÉ (4 times)
- Member of SC A2 HRO CIGRÉ from 1992 till today

Functions assumed within CIGRÉ:

- Secretary of SC A2 HRO CIGRÉ
- Chairman of WG A2.1 HRO CIGRÉ
- Member of SC A2 HRO CIGRÉ

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Zagreb, 06.2013.