

## Ljiljana Pedišić, mag.ing.cheming.

President of Croatian Inventors Association from 2006., President of the Association of innovators INA-MAZIVA (lubricants) Zagreb and Head of Innovators section of AMACIZ (association of engineers and friends of chemical and technological studies).

World Invention Intellectual Property Associations, cofounder and vice president from 2010.

Mag.ing.cheming degree at the University in Zagreb Faculty of Chemical engineering and technology, 1979. Croatia. Work in INA MAZIVA Ltd., Member of INA Group, Zagreb, Croatia, from 1980, in Products Development Department as Leader of research group and R&D manager. Working on designing the new products in metalworking, cooling fluids, industrial and other part of lubricants and activities.

Author of more than 112 professional and scientific presentations on area of lubrication, surface active processes, tribology, and applicative chemistry that since 1984. participates in various scientific and professional conferences at home and abroad, for example, Germany, Spain, Belgium, Hungary, Turkey, Slovenia, Austria, United Kingdom and others. Author of scientific and professional papers that are printed in conference Proceedings of papers – 105 and Abstract proceedings - 58.

The scientific papers also were published in professional books and journals both domestic and foreign, including those cited in the CC: *Fuels and lubricants, Maintenance and Exploitation, Progress Colloid Polymer Science, Synthetic Lubricant, Industrial Lubrication and Tribology, Journal of Trends in the Development of Machinery and Associated Technology, Journal of Heat treatment and Materials, International Heat Treatment and Surface Engineering, Traitements & Matériaux, ASTM Materials Performance and Characterization*, and others. Translate and reviewed several technical papers foreign experts or other texts.

Training of young researchers and scientists and mentorship of several students, international postgraduates, and technicians at education stages.

Co-author of several professional books.

Received The best paper award for presentation, Diploma and Gold Medal – Danube Adria Association Award for Automation & Manufacturing "International Vienna DAAAM " 11th International Symposium, 2000.

Member of EU research project in COST 532 activity „Triboscience and tribotechnology“ and Project NanoFACE-Development of suspensions for nanofluids and advanced ceramics.

Member of professional societies as are Croatian Society for the application of fuels and lubricants (GOMA), Croatian Society of surfactants (HDT), the Croatian Society of maintenance (HDO), Croatian Society for materials and tribology (HDMT), the Croatian Society for Heat Treatment and Surface Engineering, the Croatian Association of Engineers, Croatian Society of Chemical Engineering (HDKI), the Company engineers and friends of chemical and technological studies AMACIZ, etc. Outside Croatian cooperation with the Slovenian Society for Tribology, Hungarian Chemical Association, Hungarian Association of tribology, the German Technical Academy Esslingen and other institutes or companies.

Member of HAZU Croatian academy of art and science from 1995.

Author of numerous inventions-new products and process for that received 25 medals (19 gold, 6 silver), and other numerous awards at famous invention exhibitions like Inova (Croatia), Eureka (Bruxelles), INPEX (Pittsburgh), Archimedes (Moscow), and Genius (Budapest). That are: INOVA 2005: Best innovator, INOVA 2008: Best eco-innovation; INPEX:"Award of Courage", Pittsburgh 1994., "Key of Success"-the most successful innovator at INPEX with a total of 3 gold awards 1994th, 1995. and 1999.) Pittsburgh 1999<sup>th</sup>, WIIPA Best invention award at INOVA 2011, and others.

Winner of Croatia State Award for Technical Culture "Faust Vrančić" for 1994. year for innovations.

Two awards "Eduard Slavoljub Penkala" the best innovation in Zagreb in 1996. and also in 1999. year.

Award for Technical Culture, "Dr. Oton Kučera" 1998. for innovation.

Award GOLDEN MARTEN for the most successful innovation in 1998. year.

Received the Order of Danica Hrvatska with figure of Nikola Tesla, 1997. (From Republic Croatia President)

Member of international jury at Salon Innovation and Technology "Archimedes" Moscow since 2004, the Romanian Euroinvent 2010. and 2014., CEIGE 2012-Tainan, Macao IIE X 2013 at Chienkuo Technology University 2015, and also at exhibitions in Croatia INOVA-BUDI UZOR, INOVA-MLADI (for young inventors).

Innovation and projects exhibited at numerous exhibitions and are included in three (3) Proceedings of the most successful innovations published by Zagreb inventors' association, for years: 1991.-2000., 2001.-2003., and 2004.-2008.

Name Ljiljana Pedišić (Ljiljana Vukelić Pedišić) included in the anthology-Marquis biographies of famous people from 215 countries in the world "Who's Who in the World, 2006." (23rd edition) and then in "Who's Who in Science and Engineering, 2006-2007 and 2007<sup>th</sup> named among Top 100 scientists-IBC International Biographical Centre, Cambridge, England.

Zagreb, 2016/2/22

