

## G. J. Vancso Curriculum Vitae

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Gyula Julius Vancsó was born in Budapest on 09. June 1954. He attended the Eötvös József Grammar School, and in 1972, he went on to study at the Eötvös Loránd University (ELTE). In 1979 he received his MSc in physics ("summa cum laude", Thesis: "*Dielectric Properties of Quasi-One-Dimensional Synthetic Metals and Semiconductors*"), and in 1982 his PhD in Solid State Physics (Thesis: "*Physical Properties of Polyenes and Polyenyl Radicals as Model Systems for Conducting Polymers*") from ELTE and the Central Research Institute for Physics, Hungarian Academy of Sciences, Budapest. In 1983-84, he was a postdoctoral fellow and studied materials science at the Swiss Federal Institute of Technology (ETH-Zürich), and was a research associate and lecturer at ETH until his first faculty appointment at the University of

Toronto in 1988, where he received tenure in 1994. He moved to the University of Twente (Netherlands) in 1995 to occupy the Chair in Materials Science and Technology of Polymers as a Full Professor. From October 2020, he has been emeritus chair and part-time (guest) research professor at Twente University. He occupied several administrative positions at the University of Twente, including Vice-Dean, discipline head of Chemical Technology, and scientific director a.i. of MESA+ Institute for Nanotechnology. In 2023 he became emeritus professor and gave his farewell speech "*My journey with polymers. Past, present and future*" on 15 September 2023. His focus has been shifted to knowledge transformation via his spinoff company Sulis Polymers Ltd., of which he is CEO and co-founder (founded in 2018). "***With their strategy of performance polymers for quality life, they wish to increase the value of polymer-based products by developing additives, offering state-of-the-art analysis and characterization support, and enhancing properties of designer engineering plastics in areas relevant for improving life for everyone.***"

He held visiting professorships at the ETH-Zürich (2012), the University of California at Santa Barbara (2010), the Technical University of Barcelona (2001), and the Technical University of Budapest (2002). In 2006-2014 he was principal visiting scientist at the Agency for Science and Technology, Singapore. Since 2014, he has been a visiting professor at Nanyang Technological University in Singapore. In 2007 he became a distinguished consulting professor as a 1000 Talent Senior Scholar of PR China and of the Shanghai Government at Donghua University in Shanghai.

He was executive editor and editor-in-chief of the European Polymer Journal of Elsevier for 19 years and editor of Nanoscale (Royal Society of Chemistry) from 2009 to 2015.

His current scientific interests revolve around structure-property-application relationships of engineering polymers, materials chemistry of stimulus-responsive macromolecules, surface engineering, and macromolecular nanotechnology, including applications in various fields. He (co)authored three books, over 600 papers and 11 patents. His work was cited 22,000 times, which earned him an h-index of 73. He co/supervised the theses of more than 60 PhD students and 100 MSc students each.

He delivered approximately 300 (+) invited/keynote/plenary lectures and was chair/co-chair and organizer of five major international symposia. He is also co-founder of Lemnis Materials BV (high refractive index transparent polymer nanocomposites) and was co-founder and president of Advanced Scanning Probe Solutions Foundation. In 2019, he co-chaired the 6th Frontiers in Polymer Sciences Symposium, which was held in Budapest.

He was/is a member of several scientific committees, societies, and associations, including the Royal Netherlands Chemical Society, European Physical Society (past member, Macromolecular Physics Executive Board), American Chemical Society: Polymer Chemistry and Polymer Materials Science and Engineering, Canadian Institute of Chemistry, and American Association for the Advancement of Science. He is a Fellow of the Royal Society of Chemistry, UK (2010).

His awards and recognitions include the Young Investigator Award of the Hungarian Academy of Sciences for his Ph.D. thesis (1983), the Center of Excellence Award by the Prime Minister of Ontario in Materials Science (1989 - *For nanoscale surface studies of polymers; funding of the first Atomic Force Microscope laboratory in Canada in soft matter science*), the Dean's Performance Excellence Award, University of Toronto (1994), Visiting Professor "Pro Renovanda Cultura Hungariae", University of Technology and Economics, Budapest (2002), Officer's Cross of the Hungarian Order of Merit (2022), Doctor Honoris Causa of the Technical University of Budapest (2023), Officer of the Netherlands Order of Orange-Nassau (2023), Dingxin Lectureship Award of Jilin University in China (2023), and the Fabinyi Rudolf Medal of the Hungarian Chemical Society (2025).

Professor Vancsó has been in close cooperation with Hungarian scientists and researchers. In 2006-2014 he was jury member of the Hungarian Strategic (Large) Research Program OTKA. In 2009-2012 he was a member of the Advisory Board of the Chemical Research Center of the Hungarian Academy of Sciences, in 2013 Research Assessment Committee Chairman, Materials Science of the Hungarian Academy of Sciences (HAS), in 2012-2013, he was an advisor to the president of the HAS, in 2015-2018 he was a member of the International Advisory Board of the Hungarian National Foundation for Research, Development, and Innovation, Office of the Prime Minister. He is a member of the Hungarian Science Club in the Netherlands.

In 2010, he was elected as an external member of the Hungarian Academy of Sciences in the Section of Chemical Sciences. He read his inaugural *speech "Nanotechnology of macromolecules: synthesis and applications in optics,, catalysis and biology"*.

## Contact

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