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Petr Zeman is Professor of Applied Physics at the Department of Physics, Faculty of Applied Sciences, University of West Bohemia in Pilsen (Czech Republic) since 2019. He received PhD in Plasma Physics and Physics of Thin Films in 2000 and Habilitation in Applied Physics in 2009 at the University of West Bohemia. He spent three months at the Department of Physical Metallurgy and Materials Testing, University of Leoben (Austria) during his PhD study and 18 months at Toyama Industrial Technology Center, Takaoka (Japan) as a post-doc. Since 2011 he has been the head of the “New nanostructured thin-film materials prepared by plasma technologies” research program in the “NTIS – New Technologies for Information Society” European Center of Excellence at the University of West Bohemia.

His research activities focus on magnetron sputter deposition of new thin-film materials (hard nanocomposite coatings, high-temperature coatings, thin-film metallic glasses, antibacterial coatings, gas-sensing thin-film materials), high-temperature behavior of thin-film materials (oxidation resistance, thermal stability, solid-state transformations), and thermal analysis (thermogravimetry, differential scanning calorimetry).

He is author or co-author more than 60 scientific papers published in international impacted journals and 2 book chapters. The total number of citations in the WoS database exceeds 1900 and his H-index is 25. He is also author or co-author of more than 140 contributions at international conferences, giving more than 30 oral presentations including 10 invited talks.