

Curriculum Vitae

Personal details	Mgr. Daniel Šimek, PhD.
	Address: Na Slovance 2, 182 21 Praha 8, Czech Republic
	Email: simek@fzu.cz
	Phone: +420 266 052 621
	Gender: male Day of birth: 12/09/1976 Nationality: Czech
Education	2000 – Master degree - Faculty of Mathematics and Physics, Charles University in Prague, title Mgr. Branch: Solid state physics
	2008 – PhD degree, Faculty of Mathematics and Physics, Charles University in Prague, title PhD. Branch: Solid state physics
Work experience	2000 – present - Institute of Physics, Academy of Sciences of the Czech Republic – Rotan X-Ray laboratory
	2001 – 2002 - Faculty of Mathematics and Physics, Charles University in Prague – X-ray group of department of electronic structures physics
	2007 – 2015 - On leave at the Technical University in Freiberg, Germany – Institute of Materials Science
Research activities in last 7 years	Basically X-ray diffraction techniques,
	Development of XRD microstructure analysis of deformed ferritic-pearlitic steel
	Development of XRD analysis of transformation-induced plasticity steel
	Development of X-ray laboratory analysis techniques for materials science in general
Teaching and supervision	Supervision of 3 master degree theses during the stay at TU-Freiberg, currently co-supervision of a Ph.D. student
Research monographs	Kuzel, R; Holy V; Cernansky, M; Kubena, J; Simek; Kub, J, DIFFRACTION ANALYSIS OF THE MICROSTRUCTURE OF MATERIALS 229-245, Springer-Verlag Berlin 2004, TC: 5 chapter in monography, co-author Edited by: Mittemeijer, EJ; Scardi, P
Publications	H-index = 12 (according to Web of Science)
	Martin, Stefan; Ullrich, Christiane; Simek, Daniel; et al., J.Appl.Cryst. 44, 779-787 (2011), TC: 87
	Kratochvilova, Irena; Golan, Martin; Pomeisl, Karel; Richter, Jan; Sedlakova, Silvia; Sebera, Jakub; Micova, Julia; Falk, Martin; Falkova, Iva; Reha, David; Elliott, K. Wade; Varga, Krisztina; RSC ADVANCESFollett, Shelby E.; Simek, Daniel, RSC ADVANCES 7, 352-360 (2017), TC: 35

Neykova, Neda; Chang, Yu-Ying; Buryi, Maksym; Davydova, Marina; Kucerkova, Romana; Simek, Daniel; Remes, Zdenek; Pop-Georgievski, Ognen, Appl. Surf. Sci 472, 105-111 (2019), TC: 31
Železný, V; Chvostová, D; Šimek, D; Máca, F; Mašek, J; Setter, N; Hong Huang, Y, J. Phys. Condens. Matter 28, 025501 (2016), TC: 26
Falk, Martin; Falkova, Iva; Kopečna, Olga; Bacikova, Alena; Pagacova, Eva; Simek, Daniel; Golan, Martin; Kozubek, Stanislav; Pekarova, Michaela; Follett, Shelby E.; Klejdus, Borivoj; Elliott, K. Wade; Varga, Krisztina; Tepla, Olga; Kratochvilova, Irena, Sci. Rep. 8, 25501 (2018), TC: 22
Rafaja, D; Fuess, H; Simek, D; et al., J. Phys. Condens. Matter 14, 10021-10032, TC: 21
Lejcek, P.; Roudnicka, M.; Capek, J.; Dvorsky, D.; Drahokoupil, J.; Simek, D.; Cizek, J.; Svora, P.; Molnarova, O.; Vojtech, D., Mat. Char. 154, 5303-5314 (2019), TC: 20
Micova, Julia; Buryi, Maksym; Simek, Daniel; Drahokoupil, Jan; Neykova, Neda; Chang, Yu-Ying; Remes, Zdenek; Pop-Georgievski, Ognen; Svoboda, Jan; Im, Chan, Appl. Surf. Sci. 461, 190-195 (2018), TC: 20
Buryi, M.; Babin, V.; Chang, Y. -Y.; Remes, Z.; Micova, J.; Simek, D., Appl. Surf. Sci. 525, 146448 (2020), TC: 16
Rafaja, D; Kub, J; Simek, D; et al., Thin Solid Films 422, 8-13 (2002), TC: 16,
Heinrichova, Patricie; Pospisil, Jan; Stritesky, Stanislav; Vala, Martin; Weiter, Martin; Toman, Petr; Rais, David; Pflieger, Jiri; Vondracek, Martin; Simek, Daniel; Fekete, Ladislav; Horakova, Petra; Dokladalova, Lenka; Kubac, Lubomir; Kratochvilova, Irena, J. Phys. Chem. C 123, 11447-11463 (2019), TC: 15
Simek, Daniel; Rafaja, David; Motylenko, Mikhail; et al., Steel Res. Int. 79, 800-806 (2008), TC: 12,
Rafaja, D; Fuess, H; Simek, D; et al., J. Phys. Condens. Matter 14, 5303-5314 (2002), TC: 8
Simek, Daniel; Kuzel, Radomir; Rafaja, David, J. Appl. Cryst. 39, 487-501 (2006), TC: 7
Taylor, Andrew; Baluchova, Simona; Fekete, Ladislav; Klimsa, Ladislav; Kopecek, Jaromir; Simek, Daniel; Vondracek, Martin; Mika, Ludek; Fischer, Jan; Schwarzova-Peckova, Karolina; Mortet, Vincent, Diamond and Related Materials 123, 108815 (2022), TC: 6
Nuzhnyy, D.; Petzelt, J.; Borodavka, F.; Vanek, P.; Simek, D.; Trunec, M.; Maca, K., Phys. Stat. Sol. B 254, 1600607 (2017), TC: 4
Simek, Daniel; Oswald, Anja; Schmidtchen, Rosita; et al., Steel Res. Int. 85, 1369-1378 (2014), TC: 3
Borisova, D; Schimpf, C; Jahn, A; Klemm, V; Schreiber, G; Simek, D; Rafaja, D, Texture and Anisotropy of Polycrystals III 160, 211-216 (2010), TC: 3
Mortet, V.; Taylor, A.; Davydova, M.; Jiranek, J.; Fekete, L.; Klimsa, L.; Simek, D.; Lambert, N.; Sedlakavo, S.; Kopecek, J.; Hazdra, P., Diamond and Related Materials 122, 108887 (2022), TC: 2
Chvostova, D; Zelezny, V; Pajasova, L; Simek, D; Jelinek, M; Matej, Z,

Ferroelectrics 370, 126-131 (2008), TC: 1
Savvulidi, Filipp Georgijevic; Ptacek, Martin; Malkova, Anezka; Kratochvilova, Irena; Simek, Daniel; Martinez-Pastor, Felipe; Stadnik, Ludek, J. Appl. Animal Res. 51, 182-192 (2023), TC: 0
Falk, M.; Simek, D.; Golan, M.; Varga, K.; Tepla, O.; Kratochvilova, I., Cryoletters 41, 165-165 (2020), TC: 0
Kuzel, Radomir; Simek, Daniel, Acta Cryst. A 61, C415-C415 (2005), TC: 0
Kuzel, R; Simek, D; Kub, J; et al., Mat. Sci. Forum 443-4, 111-114(2004), TC: 0, IF: 0
Simek, D; Kuzel, R; Kub, J; et al., Mat. Sci. Forum 443-4, 163-166 (2004), TC: 0, IF: 0
Kuzel, R.; Cizek, J.; Prochazka, I.; Simek, D.; Kub, J.; Islamgaliev, R. K., Acta Cryst. A 58, C185-C185 (2002), TC: 0