EUROPEAN CURRICULUM VITAE FORMAT

PERSONAL INFORMATION

Name	**Professor Ing. Ivo Schindler, CSc.**
Address	V Zátiší 9, 709 00 Ostrava, Czech Republic
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E-mail	ivo.schindler@vsb.cz
Nationality	Czech
Date of birth	28. 9. 1958

SPECIALIZATION

Hot deformation behaviour of various metallic materials (formability; activation energy at hot forming; constitutive models of flow stress); structure-forming processes in hot forming (dynamic and static recrystallization; transformation diagrams of the CCT and DCCT type); optimization physical simulation of controlled forming and cooling processes.

WORK EXPERIENCE

• Dates (from – to)	**2012 – till present**
• Name and address of employer	VŠB - Technical University of Ostrava, Faculty of Metallurgy and Materials Engineering, Department of Materials Forming – 633 17. listopadu 15, 708 33 Ostrava-Poruba
• Title of qualification awarded	**Head**
• Dates (from – to)	**2010 – till present**
• Name and address of employer	VŠB - Technical University of Ostrava, Faculty of Metallurgy and Materials Engineering, Regional Materials Science and Technology Centre 17. listopadu 15, 708 33 Ostrava-Poruba
• Title of qualification awarded	**Head of research program and of department of forming processes**
• Dates (from – to)	**2006 – till present**
• Name and address of employer	VŠB - Technical University of Ostrava, Faculty of Metallurgy and Materials Engineering 17. listopadu 15, 708 33 Ostrava-Poruba
• Title of qualification awarded	**Vice-Dean for strategy and development,** **Faculty representative for quality management system according to ISO 9001**
• Dates (from – to)	**1996 – till present**
• Name and address of employer	VŠB - Technical University of Ostrava, Faculty of Metallurgy and Materials Engineering, Institute of modelling and control of forming processes 17. listopadu 15, 708 33 Ostrava-Poruba
• Title of qualification awarded	**Head**
• Dates (from – to)	**1990 – 1996**
• Name and address of employer	VŠB - Technical University of Ostrava, Faculty of Metallurgy and Materials Engineering, 17. listopadu 15, 708 33 Ostrava-Poruba
• Title of qualification awarded	**Vice-Dean for science and research**
• Dates (from – to)	**1986 – till present**
• Name and address of employer	VŠB - Technical University of Ostrava, Metallurgical Faculty or Faculty of Metallurgy and Materials Engineering, Department of metal forming or department of material forming 17. listopadu 15, 708 33 Ostrava-Poruba
• Title of qualification awarded	**Scientist, Senior Lecturer** (since 1991), **Assistant Professor** (Material forming – since 1991), **Professor** (Metallurgical technology – since 2000)

EDUCATION AND TRAINING

• Dates (from – to)	1993
• Name and type of organization providing education and training	Consortium of Higher Education Researches, 4 modules of the course „European Higher Education Advanced Training Course“
• Title of qualification awarded	**certificate**
• Dates (from – to)	1982 – 1986
• Name and type of organization providing education and training	Metallurgical Faculty of VŠB - Technical University of Ostrava
• Title of qualification awarded	**CSc.** (Metallurgy of metals, specialisation – metal forming)
• Dates (from – to)	1977 – 1982
• Name and type of organization providing education and training	Metallurgical Faculty of VŠB - Technical University of Ostrava
• Title of qualification awarded	**Ing.** (Metal science and metal forming)

PERSONAL SKILLS AND COMPETENCIES

MOTHER TONGUE	**Czech**
OTHER LANGUAGES	**English**
Reading	Good
Writing	Good
Verbal communication	Good
	Polish
Reading	Good
Writing	Basic
Verbal communication	Good
	French
Reading	Basic
Writing	Basic
Verbal communication	Basic
	German
Reading	Basic
Writing	Basic
Verbal communication	Basic
	Russian
Reading	Good
Writing	Basic
Verbal communication	Basic

ORGANISATIONAL SKILLS AND COMPETENCES

Management of teams of many research projects at VŠB-TUO.

Organisation of international scientific conferences also with foreign partners (Forming – altogether 26 annual conferences, Steel Strip 2006 and 2016).

See also Work Experience.

TECHNICAL SKILLS AND COMPETENCIES

Computer technology, , special instruments, tools, etc.

Work with PC – software MS Office, graphical SW Corel, special SW Unistat, Origin, Surfer and QuickPHOTO, taking and evaluation of thermograms, control of laboratory rolling mills.

2001 – Award of the Czech Academy of Engineering for a significant contribution to the development of engineering research in the Czech Republic by the project "Laboratory Rolling Mill Tandem".

ANNEXES

h-index = 12; 143 documents and 486 citations (277 without self-citations) are registered in the Web of Science.

In the period of 2016 – 2020 (co-)author of 45 documents registered in the Web of Science, out of which 21 articles in impacted journals and 24 conference papers.

Selected most important scientific publications in the period of 2016 – 2020:

1. Schindler I., Kawulok, P., Očenášek V., Opěla P., Kawulok R., Rusz S. Flow Stress and Hot Deformation Activation Energy of 6082 Aluminium Alloy Influenced by Initial Structural State. Metals. 2019, vol. 9, article number 1248. doi: 10.3390/met9121248. IF 2.259 (Q1).
2. Schindler I., Opěla P., Kawulok P., Sojka J., Konečná K., Rusz S., Kawulok R., Sauer M., Turoňová P. Hot Deformation Behaviour of Mn–Cr–Mo Low-Alloy Steel in Various Phase Regions. Metals. 2020, vol. 10, article number 1255. doi: 10.3390/met10091255. IF 2.117 (Q1).
3. Kawulok P., Schindler I., Smetana B., Moravec J., Mertová A., Drozdová Ľ., Kawulok R., Opěla P., Rusz S. The Relationship between Nil-Strength Temperature, Zero Strength Temperature and Solidus Temperature of Carbon Steels. Metals. 2020, vol. 10, article number 399; doi: 10.3390/met10030399. IF 2.117 (Q1).
4. Opěla P., Schindler I., Kawulok P., Kawulok R., Rusz S., Navrátil H., Jurča R. Correlation among the Power Dissipation Efficiency, Flow Stress Course, and Activation Energy Evolution in Cr-Mo Low-Alloyed Steel. Materials. 2020, vol. 13, article number 3480. doi:10.3390/ma13163480. IF 3.057 (Q2).
5. Kawulok R., Schindler I., Sojka J., Kawulok P., Opěla P., Pindor L., Grycz E., Rusz S., Ševčák V. Effect of Strain on Transformation Diagrams of 100Cr6 Steel. Crystals. 2020, vol. 10, article number 326. doi: 10.3390/cryst10040326. IF 2.404 (Q2).

Grants in the period of 2016 – 2020 – (co-)solver on behalf of VŠB - Technical University of Ostrava :

1. CZ.02.1.01/0.0/0.0/17_049/0008399 Development of inter-sector cooperation of RMSTC with the application sphere in the field of advanced research and innovations of classical metal materials and technologies using modelling methods (2019 – 2022)
2. FV10253 Research and development of progressive micro-alloyed materials for temperature controlled rolling and cooling with subsequent treatment of seamless tubes for use in area OCTG and machinery industry (2016 – 2018)
3. LO1203 Regional materials science and technology centre - Feasibility Program (2014 – 2018)

Collaboration with industry in the period of 2016 – 2020:

1. Contract research for domestic and foreign partners in the average amount of CZK 0.7 mill per year. Selected relevant topics of the contract research:
   - CCT and DCCT diagrams of steel grades 53HM, C86, 36CrB4, 31CrMoV9, 100Cr6, 23MnB4, 11MnMo45, 10MnSi7, 33MnCrB5, SAS900, Gost 20, MARBN, 12Ch1MF.
   - Temperature dependence of formability of steel grades SAS900,34CrMo4, St900, 51CrV4, X60, P110, C86D2, Arema.
   - Optimization physical simulations of the hot strip rolling (various HSLA steels).