PERSONAL INFORMATION

Maurizio Vedani

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maurizio.vedani@polimi.it

Sex male | *Date of birth* | *Nationality* Italian

Enterprise	University	EPR
☐ Management Level	☒ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
☐ Mid-Management Level	☐ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

from 31/10/2002 **Full professor**
Politecnico di Milano, Department of Mechanical Engineering

01/11/1998 – 31/10/2002 **Associate professor**
Politecnico di Milano, Department of Mechanical Engineering

01/11/1994 – 31/10/1998 **Assistant professor**
Politecnico di Milano, Department of Mechanical Engineering

EDUCATION AND TRAINING

1990 –1993 PhD in Metallurgical Engineering
Politecnico di Torino

1989 – 1990 Post-master specialization
Joint Research Centre of Ispra (Varese, Italy) at the Institute of Advanced Materials

1982 – 1988 Master degree in Mechnical Engineering
Politecnico di Milano

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English (proficiency level in writing & speaking)

JOB-RELATED SKILLS

Maurizio Vedani is full professor of Metallurgy at Mechanical Department of Politecnico di Milano. The main subjects of his scientific activity concern research on microstructure and mechanical behaviour during manufacturing and service of several metals and metallic alloys, ranging from structural steels (microalloyed steels, spring steels, stainless steels) to non-ferrous alloys such as aluminium alloys, metal matrix composites, titanium and magnesium alloys. These research topics result in more than 250 papers published since 1989. Current research tracks given by Scopus based on data updated on January 2022, provide a total of 4000+ citations from 204 indexed papers and an h-index of 31. Various industrial and fundamental research projects were led by Prof. Vedani, funded by Italian public institutions, by the European Union, by national and international private companies.

He was co-founder of AddMe.Lab, a laboratory set up at Department of Mechanical Engineering of Politecnico di Milano dedicated to additive manufacturing of metals by several commercial and self-designed equipment. The lab is a joint initiative launched in 2015 among several research groups and a team of five industrial partners aimed at developing multidisciplinary knowledge about additive manufacturing technologies for metals.

Professor Vedani is involved in various academic activities. He has been appointed deputy director of the Department of Mechanical Engineering from 2013 to 2017. From 2009 to 2011 and since 2017 he is chief of the Materials Section in the same department and responsible of the Advanced Materials research group (www.mecc.polimi.it). From 2017 to 2020 he coordinated the Scientific Board and is member of the PhD Board of the Department of Mechanical Engineering.

From 2008 to 2012 he served as President of the "Physical metallurgy and materials science" Technical Committee of the Italian Association for Metallurgy. From 2013 to 2017 he served as President of the "Light Metals" Committee in the same association. In the period 2008-2012 he operated as elected Italian member in the Executive Committee of FEMS (the Federation of the European Materials Societies).

ADDITIONAL INFORMATION

Publications

Top 5, most relevant publications:

1. Casati, R., Vedani, M., Metal matrix composites reinforced by Nano-Particles—A review, (2014) Metals, 4 (1), pp. 65-83. Cited 581 times.
2. Casati, R., Coduri, M., Riccio, M., Rizzi, A., Vedani, M., Development of a high strength Al–Zn–Si–Mg–Cu alloy for selective laser melting, (2019) Journal of Alloys and Compounds, 801, pp. 243-253. Cited 33 times.
3. Wang, L., Mostaed, E., Cao, X., Huang, G., Fabrizi, A., Bonollo, F., Chi, C., Vedani, M., Effects of texture and grain size on mechanical properties of AZ80 magnesium alloys at lower temperatures, (2016) Materials and Design, 89, pp. 1-8. Cited 95 times.
4. Casati, R., Lemke, J., Vedani, M., Microstructure and Fracture Behavior of 316L Austenitic Stainless Steel Produced by Selective Laser Melting, (2016) Journal of Materials Science and Technology, 32 (8), pp. 738-744. Cited 276 times.
5. Casati, R., Nasab, M.H., Coduri, M., Tirelli, V., Vedani, M., Effects of platform pre-heating and thermal-treatment strategies on properties of alsi10mg alloy processed by selective laser melting, (2018) Metals, 8 (11), p. 954. Cited 52 times.