

About the Editor



Professor Sven-Erik Lundberg started his career after high school as a rolling mill and mechanical laboratory testing operator. He graduated in metallurgical engineering from the Swedish School of Mining and Metallurgy in Filipstad, Sweden, and earned his Ph.D. in materials processing technology from the Royal Institute of Technology (KTH), Stockholm, Sweden. His thesis was titled “The Theory and Practice of Roll Pass Design.” He was appointed European Engineer (Eur. Ing.) in 1992 by the European Federation of National Engineering Associations (FEANI) in Paris.

After graduation, Lundberg worked as a product development engineer for rolling of heavy sections at Norrbottens Järnverk in Luleå, followed by several years as rolling mill engineer and production manager in two bar rolling and forging plants in the Fagersta group. After going back to university for his Ph.D., he acted as independent consultant with his own enterprise, Milltek Innovation, for six years, and later he was research manager for hot working technology at AB

Sandvik Steel. A short period as research manager for metals working and materials science at the Swedish Steel Producers Association (Jernkontoret) was followed by a position as manager for process technology and roll pass design at Danieli in Italy.

Lundberg was called back to Sweden to serve as a chair in mechanical engineering at Örebro University. During this time, he was engaged part-time as process director at the rolling mill manufacturer Morgårdshammar AB. He ended his career as an international rolling mill consultant at Hatch Iron and Steel in Canada.

Lundberg has extensive experience in rolling of sections, rails, bar, wire rod, grinding balls and pipe/tube, from selection of technologies and roll pass design to commissioning of plants. He has served as a consultant in more than 30 countries on all continents. His project experience includes conceptual design and benchmarking, production management, energy savings, hazard elimination, roll pass design, technology evaluation, equipment selection, and teaching on different levels from high school to Ph.D. degree studies.

Having already published more than 120 scientific and technical papers in international and national journals and at international conferences, Lundberg has frequently been engaged as session chairman at different conferences. He has been referee for several journals in the metallurgical and metals working area, and he is a member of the international advisory board for the Romanian Journal Metallurgy and New Materials Researches. He was a co-author of the Swedish National Encyclopedia regarding manufacturing of steel pipes and tubes.

Lundberg has been engaged as external advisor to the Natural Science and Engineering Research Council of Canada for evaluation of Industrially Oriented Research (IOR) grant applications, and he has been a member of the executive committee for long products rolling research within the European Coal and Steel Union (CECA).

Lundberg is a board member of Arbeitsgemeinschaft Internationaler Kalibreure und Walzwerksingenieure (AIKW), the International Association for Roll Pass Designers and Rolling Mill Engineers, and a member of AIST and Verein Deutscher Eisenhüttenleute (VDEh).

Since his retirement, Lundberg has been engaged as senior professor of mechanical engineering at University of Gävle, Sweden.