



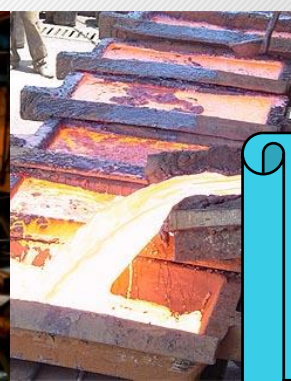
# Centre For Pyrometallurgy

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## Pyrometallurgy

The Center for Pyrometallurgy is established under Institute of Eminence Scheme of IIT Madras in 2021. Pyrometallurgy is the physical chemistry and process technology of the production of metals and alloys from ores and minerals by high temperature techniques and may therefore be considered as a specialized hybrid of science and engineering within the overall discipline of materials science and engineering. The objective of this unique center would be to impart training, education and industrial consultancies in the much needed area of pyrometallurgical route based metal production and refining. The majority of R&D work will be pre-competitive in nature and is aimed at solving common problems of industries – such as optimization and control of large scale production reactors involved in ferrous and non-ferrous extraction and refining of metals, process modelling, sintering and reducibility of low grade ores, waste recycling and utilization, steel cleanliness, ferro-alloy production, copper smelting, recovery of precious metals and rare earths from slags, anode muds and so on. The research projects will be conducted in close collaboration with metallurgical industries of common interest. The activities of the center will be governed by the consortium of industries/companies who will jointly fund this center. The Center is proposed to have a consortium of industry partners and R&D institutions of repute who are involved in the Ferrous/Non-Ferrous pyrometallurgy-based research and process development activities to produce metals in a sustainable manner. Potential Industry/R&D Partners are invited to collaborate with this center.



## International Advisory Committee of Centre For Pyrometallurgy, I.I.T Madras

1. *Prof. David Robertson, Professor Emeritus of Metallurgical Engineering, Missouri S & T USA.*
2. *Prof. Seshadri Seetharaman, Professor Emeritus Royal Institute of Technology, Stockholm, Sweden.*
3. *Prof. Rauf Hurman Eric, Chamber of Mines Professor, University of the Witwatersrand, South Africa.*
4. *Prof. B.K Mishra, Director IIT Goa, Former Director CSIR-IMMT Bhubaneswar, India*
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7. *Prof. Olena Volkova, Director, Institute of Iron and Steel, T U Bergakademie, Freiberg, Germany.*
8. *Prof. Johannes Schenk, Head of Chair of Ferrous Metallurgy, Montanuniversitaet Leoben, Austria*

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