



# Wire Technology: Process Engineering and Metallurgy

By Roger N. Wright



**Wire Technology: Process Engineering and Metallurgy** By Roger N. Wright

*Wire Technology: Process Engineering and Metallurgy, Second Edition*, covers new developments in high-speed equipment and the drawing of ultra-high strength steels, along with new computer-based design and analysis software and techniques, including Finite Element Analysis.

In addition, the author shares his design and risk prediction calculations, as well as several new case studies. New and extended sections cover measurement and instrumentation, die temperature and cooling, multiwire drawing, and high strength steel wire.

Coverage of process economics has been greatly enhanced, including an exploration of product yields and cost analysis, as has the coverage of sustainability aspects such as energy use and recycling. As with the first edition, questions and problems are included at the end of each chapter to reinforce key concepts.

- Written by an internationally-recognized specialist in wire drawing with extensive academic and industry experience
- Provides real-world examples, problems, and case studies that allow engineers to easily apply the theory to their workplace, thus improving productivity and process efficiency
- Covers both ferrous and non-ferrous metals in one volume

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## Wire Technology: Process Engineering and Metallurgy By Roger N. Wright Bibliography

- Sales Rank: #1687151 in eBooks
- Published on: 2016-01-21
- Released on: 2016-01-21
- Format: Kindle eBook

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### Editorial Review

#### About the Author

Roger N. Wright, Professor Emeritus, School of Engineering, Rensselaer Polytechnic Institute, has contributed broadly to the literature in the areas of metallurgy and metals processing, and is active as a short-course lecturer and consultant. Prior to joining Rensselaer, he was a senior staff member at Westinghouse Research Laboratories and at Allegheny Ludlum Steel Corporation. He holds B.S. and Sc.D. degrees in metallurgy from Massachusetts Institute of Technology. He is a

registered professional engineer and a fellow of ASM International and of the Society of Manufacturing Engineers.

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