



# Geothermal Power Plants, Fourth Edition: Principles, Applications, Case Studies and Environmental Impact

By Ronald DiPippo

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Now in its 4<sup>th</sup> edition, this single resource covers all aspects of the utilization of geothermal energy for power generation using fundamental scientific and engineering principles. Its practical emphasis is enhanced by the use of global case studies from real plants and applications from around the world that increase your understanding of geothermal energy conversion and provide a unique compilation of hard-to-obtain data and experience. Technical, economic and business aspects presented in case studies provide current and up-and-coming geothermal developers and entrepreneurs with a solid understanding of opportunities and pitfalls. *Geothermal Power Plants, 4<sup>th</sup> Edition*, presents state-of-the-art geothermal developments and experience of real applications for professionals, and a comprehensive reference for theory and practice.

- Important new and revised content on double- and triple-flash steam power plants, plant and well pumps, and biomass-geothermal and solar-geothermal hybrid systems
- New chapters on global case studies with comprehensive and up-to-date statistics, including New Zealand, Indonesia, Central America and the Caribbean, and the state of Nevada, USA, plus updated chapters on Larderello (Italy), The Geysers (USA), Turkey and Enhanced Geothermal Systems (EGS) make this useable and relevant for a global audience
- Revised and additional practice problems with emphasis on system simulation using electronic equations of state for working fluid properties. SI units are now used exclusively

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"This book covers everything professionals and students need to know about geothermal power plants, by someone you need to know it from." --**Raffaele Cataldi, Founder of the International Geothermal Association**

About the Author

Ronald DiPippo is a world-recognized geothermal expert. He is the author of 98 technical publications and has taught as a visiting lecturer at M.I.T., Brown University, University of Nevada, Reno, and University of Akureyri, Iceland

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