



Inverse Heat Conduction: Ill-Posed Problems, 2nd Edition

Keith A. Woodbury, Hamidreza Najafi, Filippo de Monte, James V. Beck

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ABOUT THE AUTHOR

Keith A. Woodbury is Professor Emeritus of Mechanical Engineering at the University of Alabama, where his research in inverse heat conduction supported investigations into quenching and metal casting. Dr. Woodbury is a life-long member of ASME and has organized numerous technical sessions on inverse problems through the Heat Transfer Division's K-20 Committee. He is the editor of the *Inverse Engineering Handbook* (2003).

Hamidreza Najafi is Associate Professor of Mechanical Engineering and Director of the Heat Transfer Lab at Florida Institute of Technology. He has authored and co-authored numerous articles in the areas of inverse heat conduction problems, computational heat transfer, and design and optimization of energy/thermal systems. Dr. Najafi is an active member of ASME and ASHRAE and has served in various leadership roles in multiple technical committees.

Filippo de Monte is Professor of Mechanical Engineering at the University L'Aquila, Italy. He served as a full-time Visiting Ph.D. student at the Department of Engineering, University of Cambridge, UK, in 1992, and a seasonal Visiting Associate Professor at the Department of Mechanical Engineering, Michigan State University, USA, from 2007 to 2014. He is a Member of the American Society of Mechanical Engineers (ASME) and holds editorial positions at the *Journal of Verification, Validation and Uncertainty Quantification* (ASME) and *Heat Transfer Engineering*. He was the Chairman of the 10th International Conference on Inverse Problems in Engineering (ICIPE 22), May 15-19, 2022, Francavilla al Mare (Chieti), Italy, and is co-editor of the book *Modeling of Mass Transport Processes in Biological Media* (July 2022).

James V. Beck (1930-2022) was Professor Emeritus of Mechanical Engineering at Michigan State University (MSU), a Fellow of ASME, and one of the pioneers of the fields of inverse problems and parameter estimation. Dr. Beck was honored with the MSU Distinguished Faculty Award (1987) and the ASME Heat Transfer Memorial Award (1998). He was the originator of the Inverse Problems Symposium and was the inventor, with Professor Litkouhi, of the numbering system for heat conduction solutions. Professor Beck made outstanding pioneering contributions to the field of heat transfer with numerous refereed journal articles and books.

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