



Forensic Fire Scene Reconstruction (2nd Edition)

By David J. Icové Ph.D. PE, John D. De Haan

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Completely updated in a new edition, this book remains the best resource for a thorough understanding of fire dynamics, describing and illustrating a totally new systematic approach for reconstructing fire scenes. The approach applies the following principles of fire protection engineering along with forensic and behavioral science: identifiable fire pattern damage, human factors, physical forensic evidence of human activity, and application of the scientific method based upon relevant scientific principles and research. Using historical fire cases, the expert authors provide new information and insight into the ignition, growth, development, and outcome of those fires.

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Bibliography

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Editorial Review

From the Back Cover

Containing the most up-to-date information, the second edition of *Forensic Fire Scene Reconstruction* expands the ability of investigators to apply fire engineering, forensic analysis and the interpretation of human behavior to the accurate investigation of fires. Extensive new research on fire behavior, ignition mechanisms, fire patterns and fire modeling is incorporated to explore and explain the process of applying the full spectrum of forensic techniques to the reconstruction of fire events. With more than 70 years of combined experience, two of the most experienced fire scientists in the United States have authored a text that can be used by forensic and law enforcement investigators, prosecutors, forensic scientists, and fire protection specialists. A greatly expanded peer review adds a newer fresh perspective to this edition.

About the Author

David J. Icové, PhD., PE, CFEI is an internationally recognized forensic fire engineering expert with more than 35 years of experience. Dr. Icové has served as a principal member of the NFPA 921 Technical Committee on Fire Investigations, and is the author of numerous publications and articles. As a retired career federal law enforcement agent, Dr. Icové served as a criminal investigator on the federal, state and local levels. He is a Certified Fire and Explosion Investigator (CFEI). Dr. Icové holds BS and MS degrees in Electrical Engineering and a PhD in Engineering Science and Mechanics from the University of Tennessee. Dr. Icové also holds a BS degree in Fire Protection Engineering from the University of Maryland-College Park. He is presently Adjunct Assistant Professor in the Department of Electrical and Computer Engineering at the University of Tennessee-Knoxville; serves on the faculty of the University of Maryland's Professional Master of Engineering in Fire Protection; and is a Registered Professional Engineer in Tennessee and Virginia.

John D. DeHaan, PhD, FABC, CFI, CFEI, FFSS, FSSDip is an internationally recognized forensic science expert, and author of *Kirk's Fire Investigation*, the leading textbook in the field of fire and arson investigation. He is also a former principal member of the NFPA 921 Technical Committee on Fire Investigations.

Dr. DeHaan has been a criminalist for more than 37 years and has gained considerable expertise in fire and explosion evidence as well as human hair, shoe print, and instrumental analysis and crime scene reconstruction. Dr. DeHaan holds a BS in Physics from the University of Illinois-Chicago, and was awarded a PhD in Pure and Applied Chemistry (Forensic Science) by Strathclyde University, Scotland. Dr. DeHaan is a Fellow of the American Board of Criminalists (Fire Debris), A Fellow of the Forensic Fire Society (UK), and holds Diplomas in Fire Investigation from the Forensic Fire Society and the Institution of Fire Engineers and a Certified Fire Investigator certification from the International Association of Arson Investigators. He is also a Certified Fire and Explosion Investigator from the National Association of Fire Investigators.

Users Review

From reader reviews:

Ella Butler:

This Forensic Fire Scene Reconstruction (2nd Edition) book is just not ordinary book, you have after that it the world is in your hands. The benefit you receive by reading this book is actually information inside this book incredible fresh, you will get details which is getting deeper you actually read a lot of information you will get. That Forensic Fire Scene Reconstruction (2nd Edition) without we understand teach the one who reading through it become critical in imagining and analyzing. Don't always be worry Forensic Fire Scene Reconstruction (2nd Edition) can bring if you are and not make your tote space or bookshelves' become full because you can have it in the lovely laptop even telephone. This Forensic Fire Scene Reconstruction (2nd Edition) having very good arrangement in word along with layout, so you will not really feel uninterested in reading.

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Roberto Garcia:

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Kermit Moors:

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