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The Israeli Kit 300 is a step beyond that and provides invisibility against thermal, infrared and radar sensors. Beyond that Israeli and other MCS developers are working on new materials that will ...

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The security solutions market was valued at USD 257.9 billion in 2019 and is projected to reach USD 397.6 billion by 2024; it is expected to grow at a CAGR of 9.0% during the forecast period. The ...

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Three of these groups belonged to small hunter-gatherer groups from

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Thailand, Malaysia and Mexico, who live in rainforests ... Contradicts current theory Although it was previously known that ...

Human sickness detection is not dependent on cultural experience
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"The South Atlantic winter was a big surprise for us," a retired SAS officer who served in the Falklands told Insider.

How a daring British SAS mission in one of the most remote parts of the world went wrong

If somebody has a better theory, I ' d love to hear it ... Their solution uses fourteen pairs of infrared emitters and sensors, complete with optics at the bottom of each egg cup, to detect ...

Teardown: Quirky Egg Minder

The best outdoor security cameras to monitor your property whether you're home or away, from Ring, Ezviz, Arlo and more ...

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Live Gunshot Detection Demonstrations Visitors at the booth will be able to witness Live Fire Gunshot Detection Demonstrations of the Guardian product at the SDS Booth during the show. SDS ...

Shooter Detection Systems to Showcase Live Demos, New Developments in Gunshot Detection at ISC West

A live webcast of this conference call will be available on the " Investor Relations " page of the company ' s website (<https://ir.varonis.com>), and the replay ... classification and threat detection and ...

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Varonis Announces Date of Second Quarter 2021 Financial Results
The AI Innovation Awards honors companies and individuals who stand out from their peers in solving challenges in creative ways.

VentureBeat presents AI Innovation Awards nominees at Transform 2021

The other important features to know are - live detection ... packed with a range of features like Wi-Fi support, infrared vision, motion detection and two-way talkback. It also supports 360 ...

Security Cameras For Your Home To Keep Your Home Protected All The Time

Different from other powered line array products, the NXT ' s patented OptiLogic technology provides automatic array self-detection via onboard infrared sensors and accelerometers, and near instant ...

EAW Launches Innovative And Powerful NTX Series Line Array And SBX Series

users have the option to snap a photo or begin recording video on demand while viewing the live stream, and the system can be configured to begin recording based either on human detection or on ...

EZVIZ C8C security camera review: Pan and tilt features on a budget
They also rely heavily on the capabilities of the IR source. Its detection range defines how ... the ability to live-stream video to smartphones and tablets. The following are what we believe ...

Best night vision binoculars of 2021

These cameras offer a simple, reliable recording solution for drivers on a budget, while also including important safety features like incident detection ... Fi and view the live preview feed ...

Best dash cam 2021: 14 brilliant car cameras for driving peace of mind

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The Echelon Connect EX-3 is a decent exercise bike and it offers a wide variety of on-demand and live spin classes ... The Impetus IR 6500am Air Magnetic Recumbent Cycle is a good example of ...

This volume contains the papers presented at the Second International Conference on Frontiers in Intelligent Computing: Theory and Applications (FICTA-2013) held during 14-16 November 2013 organized by Bhubaneswar Engineering College (BEC), Bhubaneswar, Odisha, India. It contains 63 papers focusing on application of intelligent techniques which includes evolutionary computation techniques like genetic algorithm, particle swarm optimization techniques, teaching-learning based optimization etc for various engineering applications such as data mining, Fuzzy systems, Machine Intelligence and ANN, Web technologies and Multimedia applications and Intelligent computing and Networking etc.

Familiarization with the infrared world Thermal imaging systems extend human perception beyond the visible spectrum. Since their principle is based on the natural emission of energy by physical bodies, they represent today the subject of a great deal of interest in many fields, whether in the military field or in industry or in research laboratories. They can be employed to analyse physical properties of objects, such as their energy level or their surface appearance; they are also commonly used to observe scenes in particular conditions like night vision, or in order to increase the visibility range through haze and fogs. All of these applications exploit the properties of infrared radiation whose characteristics are described in this book. This is achieved in a manner which differs from other publications on the same subject in that the book is governed by the intention to progressively lead the reader to a complete understanding of the

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infrared. The author intends to link physical theory to each specific aspect of the elements involved in the detection process, from their physical origin up to energy mapping in a two-dimensional picture. However we thought that it was unnecessary to demonstrate again that which the reader will easily find in scientific literature, nor to write another data book. Our aim is to fill the gap between theory and practical application. The subject is vast: infrared systems combines a wide variety of disciplines and image interpretation depends on the precise understanding of various phenomena.

As a baby one of our earliest stimuli is that of human faces. We rapidly learn to identify, characterize and eventually distinguish those who are near and dear to us. We accept face recognition later as an everyday ability. We realize the complexity of the underlying problem only when we attempt to duplicate this skill in a computer vision system. This book is arranged around a number of clustered themes covering different aspects of face recognition. The first section on Statistical Face Models and Classifiers presents reviews and refinements of some well-known statistical models. The next section presents two articles exploring the use of Infrared imaging techniques and is followed by few articles devoted to refinements of classical methods. New approaches to improve the robustness of face analysis techniques are followed by two articles dealing with real-time challenges in video sequences. A final article explores human perceptual issues of face recognition.

A comprehensive review of the latest fingerprint development and imaging techniques With contributions from leading experts in the field, Fingerprint Development Techniques offers a comprehensive review of the key techniques used in the development and imaging of fingerprints. It includes a review of the properties of fingerprints, the surfaces that fingerprints are deposited on, and the interactions that can occur between fingerprints, surfaces and environments.

Comprehensive in scope, the text explores the history of each process, the theory behind the way fingerprints are either developed or imaged,

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and information about the role of each of the chemical constituents in recommended formulations. The authors explain the methodology employed for carrying out comparisons of effectiveness of various development techniques that clearly demonstrate how to select the most effective approaches. The text also explores how techniques can be used in sequence and with techniques for recovering other forms of forensic evidence. In addition, the book offers a guide for the selection of fingerprint development techniques and includes information on the influence of surface contamination and exposure conditions. This important resource: Provides clear methodologies for conducting comparisons of fingerprint development technique effectiveness Contains in-depth assessment of fingerprint constituents and how they are utilized by development and imaging processes Includes background information on fingerprint chemistry Offers a comprehensive history, the theory, and the applications for a broader range of processes, including the roles of each constituent in reagent formulations Fingerprint Development Techniques offers a comprehensive guide to fingerprint development and imaging, building on much of the previously unpublished research of the Home Office Centre for Applied Science and Technology.

The first edition of this text was written primarily by one of the present authors (HAS), with a chapter on instrumentation contributed by a second (NLA). The volume was well received, and to keep the text up-to-date a second edition was planned. For this second edition, a third author (WEK) was invited, whose background complemented that of the other two. Each of the authors was assigned several chapters as his primary task while the complete manuscript remained the secondary responsibility of all three. It is hoped that this approach has resulted in a work that is even more thorough than the first edition in covering the basic concepts of infrared spectroscopy. NELSON L. ALPERT WILLIAM E. KEISER HERMAN A. SZYMANSKI v PREFACE TO THE FIRST EDITION My experience with the many infrared spectroscopy institutes held at Canisius College and many discussions

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with both beginners and experienced practitioners in infrared spectroscopy have convinced me that there is a need for an introductory text devoted entirely to infrared spectroscopy, a text which can be utilized even by those who approach this study with only a limited background. This volume sprang from that conviction. It is intended for all who wish to use infrared spectroscopy in research - especially chemists doing structural work - in routine control work, in industrial development, or in medical applications or those military applications where it is employed as an analytical tool.

Even a hundred years after its discovery, superconductivity continues to bring us new surprises, from superconducting magnets used in MRI to quantum detectors in electronics. *100 Years of Superconductivity* presents a comprehensive collection of topics on nearly all the subdisciplines of superconductivity. Tracing the historical developments in superconductivity, the book includes contributions from many pioneers who are responsible for important steps forward in the field. The text first discusses interesting stories of the discovery and gradual progress of theory and experimentation. Emphasizing key developments in the early 1950s and 1960s, the book looks at how superconductivity started to permeate society and how most of today's applications are based on the innovations of those years. It also explores the genuine revolution that occurred with the discovery of high temperature superconductors, leading to emerging applications in power storage and fusion reactors. Superconductivity has become a vast field and this full-color book shows how far it has come in the past 100 years. Along with reviewing significant research and experiments, leading scientists share their insight and experiences working in this exciting and evolving area.

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Understanding Laser Accidents provides a comprehensive reference addressing a wide a spectrum of laser accidents. The under-reporting and misreporting of laser accidents creates a blind spot for the laser management of institutions, laser users and laser safety officers. This book attempts to lift that veil. By giving details of why laser accidents occur, accident preparation, where to find laser accident information, elements of laser accident investigation, role of lessons learned and regulatory oversight of laser use. Chapters include a look at pilot illumination, fiber telecommunication, light show incidents and more as well as a detailed and honest review of three laser events that hold a mirror up to researchers and industrial laser users.

- Provides a comprehensive, single source devoted to laser accidents
- Covers elements of laser accident preparedness
- Provides detailed analysis of some laser accidents that share common threads across the research and industrial environment
- Contains information on where to find laser accident information
- Extensive information on the illumination of pilots
- Reviews laser regulatory oversight, non-beam hazards and laser safety tools

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