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*This book constitutes
the refereed proceedings
of the 11th
International Conference
on E-Learning and Games,
Edutainment 2017, held
in Bournemouth, United*

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Kingdom, in June 2017.

*The 19 full and 17 short
papers presented were
carefully reviewed and
selected from 47
submissions. They are
organized in the*

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*following topical
sections: Virtual
reality and augmented
reality in edutainment;
gamification for serious
game and training;
graphics, imaging and*

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*applications; E-learning
and game.*

*This book discusses
selected issues of
modern electrical
metrology in the fields
of sensor technology,*

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*signal processing and
measurement systems,
addressing theoretical
problems and
applications regarding
measurements in
electrical engineering,*

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*mechanics,
telecommunications,
medicine and geology, as
well as in the aviation
and transport
industries. It presents
selected papers from the*

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XXII International

Seminar of Metrology

*“Methods and Techniques
of Signal Processing in
Physical Measurements”*

(MSM2018) held in

Rzeszów–Arżamów, Poland

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*on September 17-20,
2018. The conference was
organized by the Rzeszow
University of
Technology, Department
of Metrology and
Diagnostic Systems*

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*(Poland) and Lviv
Polytechnic National
University, Department
of Information Measuring
Technology (Ukraine).
The book provides
researchers and*

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practitioners with insights into the state of the art in these areas, and also serves as a source of new ideas for further development and cooperation.

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*The increase in
connected devices in the
internet of things (IoT)
is leading to an
exponential increase in
the data that an
organization is required*

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*to manage. To
successfully utilize IoT
in businesses, big data
analytics are necessary
in order to efficiently
sort through the
increased data. The*

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*combination of big data
and IoT can thus enable
new monitoring services
and powerful processing
of sensory data streams.
The Handbook of Research
on Big Data and the IoT*

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*is a pivotal reference
source that provides
vital research on
emerging trends and
recent innovative
applications of big data
and IoT, challenges*

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facing organizations and the implications of these technologies on society, and best practices for their implementation. While highlighting topics such

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as bootstrapping, data fusion, and graph mining, this publication is ideally designed for IT specialists, managers, policymakers, analysts, software

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*engineers, academicians,
and researchers.*

*This book features
research papers
presented at the
International Conference
on Emerging Technologies*

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*in Data Mining and
Information Security
(IEMIS 2018) held at the
University of
Engineering &
Management, Kolkata,
India, on February*

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*23-25, 2018. It
comprises high-quality
research work by
academicians and
industrial experts in
the field of computing
and communication,*

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*including full-length
papers, research-in-
progress papers, and
case studies related to
all the areas of data
mining, machine
learning, Internet of*

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*Things (IoT) and
information security.
This book features
research papers
presented at the
International Conference
on Emerging Technologies*

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*in Data Mining and
Information Security
(IEMIS 2020) held at the
University of
Engineering &
Management, Kolkata,
India, during July 2020.*

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The book is organized in three volumes and includes high-quality research work by academicians and industrial experts in the field of computing

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*and communication,
including full-length
papers, research-in-
progress papers and case
studies related to all
the areas of data
mining, machine*

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learning, Internet of things (IoT) and information security. Artificial intelligence and its various components are rapidly engulfing almost every

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professional industry.

*Specific features of AI
that have proven to be
vital solutions to
numerous real-world
issues are machine
learning and deep*

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learning. These intelligent agents unlock higher levels of performance and efficiency, creating a wide span of industrial applications. However,

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*there is a lack of
research on the specific
uses of machine/deep
learning in the
professional realm.*

*Machine Learning and
Deep Learning in Real-*

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*Time Applications
provides emerging
research exploring the
theoretical and
practical aspects of
machine learning and
deep learning and their*

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*implementations as well
as their ability to
solve real-world
problems within several
professional disciplines
including healthcare,
business, and computer*

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science. Featuring coverage on a broad range of topics such as image processing, medical improvements, and smart grids, this book is ideally designed

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*for researchers,
academicians,
scientists, industry
experts, scholars, IT
professionals,
engineers, and students
seeking current research*

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*on the multifaceted uses
and implementations of
machine learning and
deep learning across the
globe.*

*The six volumes LNCS
11619-11624 constitute*

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*the refereed proceedings
of the 19th
International Conference
on Computational Science
and Its Applications,
ICCSA 2019, held in
Saint Petersburg,*

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Russia, in July 2019.

*The 64 full papers, 10
short papers and 259
workshop papers
presented were carefully
reviewed and selected
form numerous*

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*submissions. The 64 full
papers are organized in
the following five
general tracks:
computational methods,
algorithms and
scientific applications;*

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*high performance
computing and networks;
geometric modeling,
graphics and
visualization; advanced
and emerging
applications; and*

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information systems and technologies. The 259 workshop papers were presented at 33 workshops in various areas of computational sciences, ranging from

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*computational science
technologies to specific
areas of computational
sciences, such as
software engineering,
security, artificial
intelligence and*

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*blockchain technologies.
This edited book is
comprised of original
research that focuses on
technological
advancements for
effective teaching with*

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*an emphasis on learning
outcomes, ICT trends in
higher education,
sustainable developments
and digital ecosystem in
education, management
and industries. The*

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*contents of the book are
classified as; (i)
Emerging ICT Trends in
Education, Management
and Innovations (ii)
Digital Technologies for
advancements in*

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*education, management
and IT (iii) Emerging
Technologies for
Industries and
Education, and (iv) ICT
Technologies for
Intelligent*

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*Applications. The book
represents a useful tool
for academics,
researchers, industry
professionals and
policymakers to share
and learn about the*

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latest teaching and learning practices supported by ICT. It also covers innovative concepts applied in education, management and industries using ICT

Download Free Inventive Computation And Information Technologies *tools.*

*Information and
Communication Technology
for Intelligent Systems
E-Learning and Games
11th International
Conference, Edutainment*

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2017, Bournemouth, UK,

June 26-28, 2017,

Revised Selected Papers

Blockchain Applications

for Secure IoT

Frameworks: Technologies

Shaping the Future

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*Intelligent Technologies
and Applications*

*Ambient Communications
and Computer Systems*

Computational Logistics

Proceedings of ICICCT

2019

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*First International
Conference, INTAP 2018,
Bahawalpur, Pakistan,
October 23-25, 2018,
Revised Selected Papers*

MIDAS 2020

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Information Systems

Design and Intelligent

Applications

Computational Vision and

Bio-Inspired Computing

This book constitutes the refereed
proceedings of the 23rd International

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Conference on Information and Software Technologies, ICIST 2017, held in Druskininkai, Lithuania, in October 2017. The 51 papers presented were carefully reviewed and selected from 135 submissions. The papers are organized in topical sections on information systems;

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business intelligence for information and software systems; software engineering; information technology applications.

Inventive Computation and Information Technologies
Proceedings of ICICIT
2020 Springer

As technology continues to saturate

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modern society, agriculture has started to adopt digital computing and data-driven innovations. This emergence of “smart” farming has led to various advancements in the field, including autonomous equipment and the collection of climate, livestock, and plant data. As connectivity and data

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management continue to revolutionize the farming industry, empirical research is a necessity for understanding these technological developments. Artificial Intelligence and IoT-Based Technologies for Sustainable Farming and Smart Agriculture provides emerging

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research exploring the theoretical and practical aspects of critical technological solutions within the farming industry. Featuring coverage on a broad range of topics such as crop monitoring, precision livestock farming, and agronomic data processing, this book is ideally

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designed for farmers, agriculturalists, product managers, farm holders, manufacturers, equipment suppliers, industrialists, governmental professionals, researchers, academicians, and students seeking current research on technological applications within agriculture and

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This book includes selected papers from the 4th International Conference on Computational Vision and Bio Inspired Computing (ICCVBIC 2020), held in Coimbatore, India, from November 19 to 20, 2020. This proceedings book presents state-of-

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the-art research innovations in computational vision and bio-inspired techniques. The book reveals the theoretical and practical aspects of bio-inspired computing techniques, like machine learning, sensor-based models, evolutionary optimization and big data modeling and management

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that make use of effectual computing processes in the bio-inspired systems. As such it contributes to the novel research that focuses on developing bio-inspired computing solutions for various domains, such as humancomputer interaction, image processing, sensor-based single

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processing, recommender systems and facial recognition, which play an indispensable part in smart agriculture, smart city, biomedical and business intelligence applications.

This book gathers selected high-quality research papers presented at the Fifth International Congress on

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Information and Communication Technology, held at Brunel University, London, on February 20-21, 2020. It discusses emerging topics pertaining to information and communication technology (ICT) for managerial applications, e-governance, e-agriculture, e-education and

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computing technologies, the Internet of Things (IoT) and e-mining. Written by respected experts and researchers working on ICT, the book offers a valuable asset for young researchers involved in advanced studies. .

The seven volumes LNCS
12249-12255 constitute the refereed

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proceedings of the 20th International Conference on Computational Science and Its Applications, ICCSA 2020, held in Cagliari, Italy, in July 2020. Due to COVID-19 pandemic the conference was organized in an online event. Computational Science is the main pillar of most of the present research,

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industrial and commercial applications, and plays a unique role in exploiting ICT innovative technologies. The 466 full papers and 32 short papers presented were carefully reviewed and selected from 1450 submissions. Apart from the general track, ICCSA 2020 also include 52 workshops, in various

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areas of computational sciences, ranging from computational science technologies, to specific areas of computational sciences, such as software engineering, security, machine learning and artificial intelligence, blockchain technologies, and of applications in many fields.

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Given that institutions of higher education have a predisposition to compartmentalize and delineate areas of study, creative technology may seem oxymoronic. On the contrary, the very basis of western thought is found in the idea of transcendent knowledge. The marriage of opposing disciplines

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therefore acts as a more holistic approach to education. Creative Technologies for Multidisciplinary Applications acts as an inspiration to educators and researchers who wish to participate in the future of such multidisciplinary disciplines. Because creative technology encompasses

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many applications with the realm of art, gaming, the humanities, and digitization, this book features a diverse collection of relevant research for the modern world. It is a pivotal reference publication for educators, students, and researchers in fields related to sociology, technology, and

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the humanities.

This contributed volume discusses diverse topics to demystify the rapidly emerging and evolving blockchain technology, the emergence of integrated platforms and hosted third-party tools, and the development of decentralized applications for various

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business domains. It presents various applications that are helpful for research scholars and scientists who are working toward identifying and pinpointing the potential of as well as the hindrances to this technology.

[ICCNCT 2019](#)

[Proceedings of the 14th International](#)

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[Conference on Computing and
Information Technology \(IC2IT 2018\)
Advanced Applications of Blockchain
Technology
Inventive Communication and
Computational Technologies
Computational Intelligence in Pattern
Recognition](#)

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[Proceedings of Fifth International
Congress on Information and
Communication Technology
Proceedings of International
Conference on ICRIHE - 2020, Delhi,
India : IICT-2020
Proceedings of Third ICCNCT 2020
Proceedings of the International](#)

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[Conference on ISMAC in
Computational Vision and Bio-
Engineering 2018 \(ISMAC-CVB\)
Creative Technologies for
Multidisciplinary Applications
23rd International Conference, ICIST
2017, Druskininkai, Lithuania, October
12–14, 2017, Proceedings](#)

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Computer Networks and Inventive
Communication Technologies
Intelligent Strategies for ICT

With the intriguing
development of technologies
in several industries, along
with the advent of
ubiquitous computational

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resources, there are now ample opportunities to develop innovative computational technologies in order to solve a wide range of issues concerning uncertainty, imprecision, and vagueness in various

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real-life problems. The challenge of blending modern computational techniques with traditional computing methods has inspired researchers and academics alike to focus on developing innovative computational

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techniques. In the near future, computational techniques may provide vital solutions by effectively using evolving technologies such as computer vision, natural language processing, deep learning, machine

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learning, scientific computing, and computational vision. A vast number of intelligent computational algorithms are emerging, along with increasing computational power, which has significantly expanded

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the potential for developing intelligent applications. These proceedings of the International Conference on Inventive Computation Technologies [ICICT 2019] cover innovative computing applications in the areas of

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data mining, big data
processing, information
management, and security.

This book gathers selected
papers presented at the
Inventive Communication and
Computational Technologies
conference (ICICCT 2019),

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held on 29-30 April 2019 at
Gnanamani College of
Technology, Tamil Nadu,
India. The respective
contributions highlight
recent research efforts and
advances in a new paradigm
called ISMAC (IoT in Social,

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Mobile, Analytics and Cloud contexts). Topics covered include the Internet of Things, Social Networks, Mobile Communications, Big Data Analytics, Bio-inspired Computing and Cloud Computing. The book is

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chiefly intended for
academics and practitioners
working to resolve practical
issues in this area.

This book offers an
essential guide to Wireless
Sensor Networks, IoT
Security, Image Processing,

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Secure Information Systems,
and Data Encryption. In
addition, it introduces
students and aspiring
practitioners to the subject
of destination marketing in
a structured manner. It is
chiefly intended for

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researcher students in the
areas of Wireless Sensor
Networks and Secure Data
Communication (including
image encryption, and
intrusion detection
systems), academics at
universities and colleges,

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IT professionals,
policymakers and
legislators. Given its
content, the book can be
used as a reference text for
both undergraduate and
graduate studies, in courses
on Wireless Sensor Networks,

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Secure Image Processing, and
Data Encryption
applications. The book is
written in plain and easy-to-
follow language and explains
each main concept the first
time it appears, helping
readers with no prior

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background in the field. As such, it is a "must-read" guide to the subject matter. Chronicles the life and times of the lesser-known Information Age intellect, revealing how his discoveries and innovations

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set the stage for the digital era, influencing the work of such collaborators and rivals as Alan Turing, John von Neumann and Vannevar Bush.

Business and IT organizations are currently

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embracing new strategically sound concepts in order to be more customer-centric, competitive, and cognitive in their daily operations. While useful, the various software tools, pioneering technologies, as well as

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their unique contributions largely go unused due to the lack of information provided on their special characteristics. Novel Practices and Trends in Grid and Cloud Computing is a collection of innovative

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research on the key concerns of cloud computing and how they are being addressed, as well as the various technologies and tools empowering cloud theory to be participative, penetrative, pervasive, and

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persuasive. While highlighting topics including cyber security, smart technology, and artificial intelligence, this book is ideally designed for students, researchers, and business

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managers on the lookout for innovative IT solutions for all the business automation software and improvisations of computational technologies.

This book is a collection of best selected papers

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presented at the
International Conference on
Inventive Computation and
Information Technologies
(ICICIT 2020), organized
during 24-25 September 2020.
The book includes papers in
the research area of

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information sciences and
communication engineering.
The book presents novel and
innovative research results
in theory, methodology and
applications of
communication engineering
and information

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The book gathers papers
addressing state-of-the-art
research in all areas of
Information and
Communication Technologies
and their applications in
intelligent computing, cloud

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storage, data mining and software analysis. It presents the outcomes of the third International Conference on Information and Communication Technology for Intelligent Systems, which was held on April 6-7,

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2018, in Ahmedabad, India.

Divided into two volumes,
the book discusses the
fundamentals of various data
analytics and algorithms,
making it a valuable
resource for researchers'
future studies.

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Six essays by artificial intelligence pioneer Marvin Minsky on how education can foster inventiveness, paired with commentary by Minsky's former colleagues and students. Marvin Minsky was a pioneering researcher in

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artificial intelligence whose work led to both theoretical and practical advances. His work was motivated not only by technological advancement but also by the desire to understand the workings of

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our own minds. Minsky's insights about the mind provide fresh perspectives on education and how children learn. This book collects for the first time six essays by Minsky on children, learning, and the

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potential of computers in school to enrich children's development. In these essays Minsky discusses the shortcomings of conventional education (particularly in mathematics) and considers alternative approaches;

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reflects on the role of mentors; describes higher-level strategies for thinking across domains; and suggests projects for children to pursue. Each essay is paired with commentary by one of

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Minsky's former colleagues or students, which identifies Minsky's key ideas and connects his writings to current research. Minsky once observed that in traditional teaching, "instead of

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promoting inventiveness, we focus on preventing mistakes." These essays offer Minsky's unique insights into how education can foster inventiveness. Commentary by Hal Abelson, Walter Bender, Alan Kay,

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Margaret Minsky, Brian
Silverman, Gary Stager, Mike
Travers, Patrick Henry
Winston

[Proceedings of ICTIS 2018](#)

[Proceedings of IEMIS 2018](#)

[Secure Image Transmission in
Wireless Sensor Network](#)

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(WSN) Applications

ICICCS 2020

How Claude Shannon Invented
the Information Age

Artificial Intelligence and
IoT-Based Technologies for
Sustainable Farming and
Smart Agriculture

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Computation And Information
Technologies

[Proceedings of IEMIS 2020,](#)

[Volume 2](#)

[Computational Science and](#)

[Its Applications - ICCSA](#)

[2019](#)

[Inventive Minds](#)

[A Mind at Play](#)

[Inventive Computation](#)

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Technologies
Computational Science and
Its Applications - ICCSA
2020

Information and Software
Technologies

These are the proceedings of the

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**International Conference on
ISMAC-CVB, held in Palladam,
India, in May 2018. The book
focuses on research to design new
analysis paradigms and
computational solutions for
quantification of information**

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**provided by object recognition,
scene understanding of computer
vision and different algorithms
like convolutional neural
networks to allow computers to
recognize and detect objects in
images with unprecedented**

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**accuracy and to even understand
the relationships between them.**

**The proceedings treat the
convergence of ISMAC in
Computational Vision and
Bioengineering technology and
includes ideas and techniques like**

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3D sensing, human visual perception, scene understanding, human motion detection and analysis, visualization and graphical data presentation and a very wide range of sensor modalities in terms of

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**surveillance, wearable
applications, home automation
etc. ISMAC-CVB is a forum for
leading academic scientists,
researchers and research scholars
to exchange and share their
experiences and research results**

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**about all aspects of computational
vision and bioengineering.**

**This book is a collection of best
selected papers presented at the
International Conference on
Inventive Computation and
Information Technologies**

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**(ICICIT 2020), organized during
24-25 September 2020. The book
includes papers in the research
area of information sciences and
communication engineering. The
book presents novel and
innovative research results in**

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**theory, methodology and
applications of communication
engineering and information
technologies.**

**This two-volume set (CCIS
1395-1396) constitutes the
refereed proceedings of the Third**

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**International Conference on
Futuristic Trends in Network and
Communication Technologies,
FTNCT 2020, held in Taganrog,
Russia, in October 2020. The 80
revised full papers presented were
carefully reviewed and selected**

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from 291 submissions. The prime aim of the conference is to invite researchers from different domains of network and communication technologies to a single platform to showcase their research ideas. The selected

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papers are organized in topical sections on communication technologies; security and privacy; futuristic computing technologies; network and computing technologies; wireless networks and Internet of Things

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This book features high-quality research papers presented at the 3rd International Conference on Computational Intelligence in Pattern Recognition (CIPR 2021), held at the Institute of

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**Engineering and Management,
Kolkata, West Bengal, India, on
24 – 25 April 2021. It includes
practical development experiences
in various areas of data analysis
and pattern recognition, focusing
on soft computing technologies,**

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**clustering and classification
algorithms, rough set and fuzzy
set theory, evolutionary
computations, neural science and
neural network systems, image
processing, combinatorial pattern
matching, social network analysis,**

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**audio and video data analysis,
data mining in dynamic
environments, bioinformatics,
hybrid computing, big data
analytics and deep learning. It
also provides innovative solutions
to the challenges in these areas**

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and discusses recent
developments.**

**This reference presents
information about different facets
of IoT and blockchain systems
that have been recently proposed
for practical situations. Chapters**

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provide knowledge about how these technologies are applied in functions related to trust management, identity management, security threats, access control and privacy. Key Features: - Introduces the reader

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**to fundamental concepts of IoT
and blockchain technology -
reports advances in the field of
IoT, ubiquitous computing and
blockchain computing - includes
the applications of different
frameworks - explains the role of**

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**blockchains in improving IT
security - provides examples of
smart grids, data transmission
models, digital business platforms,
agronomics and big data solutions
- Includes references for further
reading Blockchain Applications**

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Technologies
for Secure IoT Frameworks**

**Technologies Shaping the Future
is a handy reference for
information technology
professionals and students who
want updated information about
applications of IoT and**

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Technologies
blockchains in secure operational
and business processes.**

**This book contains the research
contributions presented at the
14th International Conference on
Computing and Information
Technology (IC2IT 2018)**

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**organised by King Mongkut's
University of Technology North
Bangkok and its partners, and
held in the northern Thai city of
Chiang Mai in July 2018.
Traditionally, IC2IT 2018
provides a forum for exchange on**

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**the state of the art and on
expected future developments in
its field. Correspondingly, this
book contains chapters on topics
in data mining, machine learning,
natural language processing,
image processing, networks and**

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security, software engineering and
information technology. With
them, the editors want to foster
inspiring discussions among
colleagues, not only during the
conference. It is also intended to
contribute to a deeper**

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understanding of the underlying problems as needed to solve them in complex environments and, beneficial for this purpose, to encourage interdisciplinary cooperation.

This book features high-quality,

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**peer-reviewed papers from the
International Conference on
Recent Advancement in
Computer, Communication and
Computational Sciences
(RACCCS 2019), held at
Aryabhata College of**

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**Engineering & Research Center,
Ajmer, India, on August 16–17,
2019. Presenting the latest
developments and technical
solutions in computational
sciences, it covers a variety of
topics, such as intelligent**

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**hardware and software design,
advanced communications,
intelligent computing
technologies, advanced software
engineering, the web and
informatics, and intelligent image
processing. As such it helps those**

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**in the computer industry and
academia to use the advances in
next-generation communication
and computational technology to
shape real-world applications.
This book presents new
communication and networking**

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technologies, an area that has gained significant research attention from both academia and industry in recent years. It also discusses the development of more intelligent and efficient communication technologies,

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which are an essential part of current day-to-day life, and reports on recent innovations in technologies, architectures, and standards relating to these technologies. The book includes research that spans a wide range

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of communication and networking technologies, including wireless sensor networks, big data, Internet of Things, optical and telecommunication networks, artificial intelligence, cryptography, next-generation

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**networks, cloud computing, and
natural language processing.**

**Moreover, it focuses on novel
solutions in the context of
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challenges, such as optimization
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interoperability, scalable network clustering, multicasting and fault-tolerant techniques, network authentication mechanisms, and predictive analytics.

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Marvin Minsky on Education
Third International Conference,
FTNCT 2020, Taganrog, Russia,
October 14-16, 2020, Revised
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19th International Conference,
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[1-4, 2019, Proceedings](#)

*This book is a
compilation of peer-
reviewed papers
presented at the
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Applications, organized

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and 5, 2020. The book starts by addressing the algorithmic aspect of machine intelligence which includes the framework and optimization of various

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states of algorithms.

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sentiment analysis, and
speech and gesture
analysis have been
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*Applications (INDIA
2018), which was held at
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from July 19 to 21,
2018. It covers a wide
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*computer science and
information technology,
from image processing,
database applications
and data mining, to grid
and cloud computing,
bioinformatics and many*

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*more. The intelligent
tools discussed, e.g.
swarm intelligence,
artificial intelligence,
evolutionary algorithms,
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algorithms, are*

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methodology and
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Technologies and
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*2018, held in
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October 2018. The 68
revised full papers and
6 revised short papers
presented were carefully
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*decision support
systems; image analysis;
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Conference, ICCL 2021,
Enschede, The
Netherlands, September
27-29, 2021, Proceedings
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ICICT 2020, London,
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