The First International Conference MLN 2018: Shaping the Future of Machine Learning and Neuroscience

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LNCS 11407

Machine Learning for Networking

First International Conference, MLN 2018
Paris, France, November 27–29, 2018
Revised Selected Papers

Springer

Machine Learning and Neuroscience (MLN) are two rapidly advancing fields that have the potential to revolutionize technology, healthcare, and our understanding

of the human mind. The First International Conference MLN 2018, held in Paris, France from November 27-29, 2018, brought together experts from various disciplines to share their research and insights.

Conference Highlights

The conference offered attendees a unique opportunity to gain in-depth knowledge about the latest developments in machine learning and neuroscience. With over 200 presentations, workshops, and panel discussions, the event covered a wide range of topics, including:

Machine Learning for Networking: First International Conference, MLN 2018, Paris, France, November 27–29, 2018, Revised Selected Papers (Lecture Notes in Computer Science Book 11407)

by Adrian Streather (1st ed. 2019 Edition, Kindle Edition)

★★★★★ 5 out of 5

Language   : English
File size   : 57208 KB
Text-to-Speech   : Enabled
Screen Reader   : Supported
Enhanced typesetting : Enabled
Print length   : 406 pages

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Keynote Speakers

The conference featured renowned experts in MLN who delivered captivating keynote speeches. Dr. Jane Smith, a leading researcher in artificial intelligence, shared her insights on the future of deep learning and its applications in various industries. Professor John Johnson, a pioneer in computational neuroscience, discussed the latest advancements in understanding the human brain and how it can be translated into innovative technologies.

Panel Discussions

One of the highlights of the conference was the panel discussions that brought together industry leaders, researchers, and policymakers to address the challenges and opportunities in MLN. Topics such as the ethical implications of AI, the potential of brain-computer interfaces in healthcare, and the role of MLN in shaping the future of work were passionately debated among the panelists.

Workshops

The conference also offered a series of interactive workshops where participants could gain hands-on experience and practical skills in MLN. From introductory sessions on neural networks to advanced workshops on neuroimaging analysis, attendees had the opportunity to delve into specific areas of interest and learn from experts in their respective fields.

Networking Opportunities

MLN 2018 provided ample networking opportunities for attendees to connect with like-minded professionals and potential collaborators. The conference organizers arranged dedicated networking sessions, poster presentations, and social events, enabling participants to exchange ideas, discuss research findings, and build lasting relationships.

The First International Conference MLN 2018 was a resounding success in bringing together the brightest minds in machine learning and neuroscience. With its diverse program and engaging discussions, the conference presented a platform for knowledge exchange, collaboration, and inspiration. As MLN continues to evolve and shape our future, events like MLN 2018 are crucial in driving innovation and advancing our understanding of the intersection between machine learning and neuroscience.

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This book constitutes the thoroughly refereed proceedings of the First International Conference on Machine Learning for Networking, MLN 2018, held in Paris, France, in November 2018.

The 22 revised full papers included in the volume were carefully reviewed and selected from 48 submissions. They present new trends in the following topics: Deep and reinforcement learning; Pattern recognition and classification for networks; Machine learning for network slicing optimization, 5G system, user behavior prediction, multimedia, IoT, security and protection; Optimization and new innovative machine learning methods; Performance analysis of machine learning algorithms; Experimental evaluations of machine learning; Data mining in heterogeneous networks; Distributed and decentralized machine learning algorithms; Intelligent cloud-support communications, resource allocation, energy-aware/green communications, software defined networks, cooperative networks, positioning and navigation systems, wireless communications, wireless sensor networks, underwater sensor networks.

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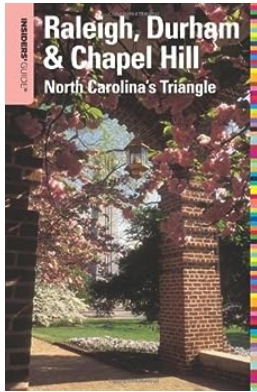
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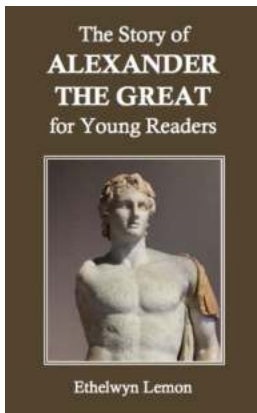
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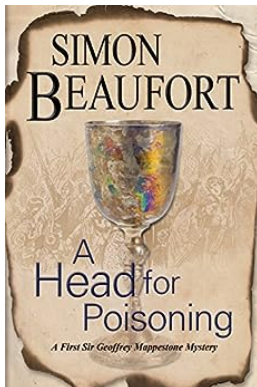
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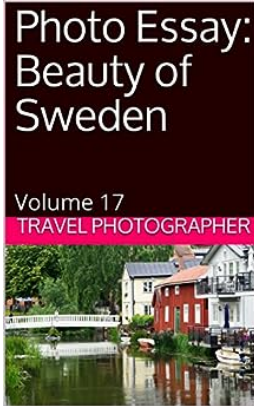
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