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# Bilgiyi Hayata Dönüştüren Kütüphane

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Hafta İçi | Cumartesi :  
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ICDLT: Deep Learning Technologies

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deep learning



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345,666 Results for: All: deep learning

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RESEARCH-ARTICLE

Deep Learning: An Overview

October 2018



Wissal Farsal, Samir Anter, Mohammed Ramdani

SITA'18: Proceedings of the 12th International Conference on Intelligent Systems: Theories and Applications • October 2018, Article No.: 38, pp 1-6 • <https://doi.org/10.1145/3289402.3289538>

Deep learning is a thriving research area with many successful applications in different fields. The article is written with a view to provide a state of the art review of deep learning. To some extent, we will present a historical overview necessary to ...

10 2,019 | Highlights



Veri tabanı, arama sonuçlarını kaynak türlerine göre farklı sekmeler altında toplamıştır. Örneğin «Videos» sekmesine tıklayarak arama kelimelerinizle ilgili videoları görüntüleyebilir ve inceleyebilirsiniz.

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 TUTORIAL  
August 2014**Deep learning** [Ruslan Salakhutdinov](#)

KDD '14: Proceedings of the 20th ACM SIGKDD international conference on Knowledge discovery and data mining • August 2014, pp 1973 • <https://doi.org/10.1145/2623330.2630809>

Building intelligent systems that are capable of extracting high-level representations from high-dimensional data lies at the core of solving many AI related tasks, including visual object or pattern recognition, speech perception, and language ...

6 | 1,317 | | | Highlights ▾

 RESEARCH-ARTICLE  
October 2018**Deep Learning: An Overview** [Wissal Farsal](#), [Samir Anter](#), [Mohammed Ramdani](#)

SITA'18: Proceedings of the 12th International Conference on Intelligent Systems: Theories and Applications • October 2018, Article No.: 38, pp 1–6 • <https://doi.org/10.1145/3289402.3289538>

Deep learning is a thriving research area with many successful applications in different fields. The article is written with a view to provide a state of the art review of deep learning. To some extent, we will present a

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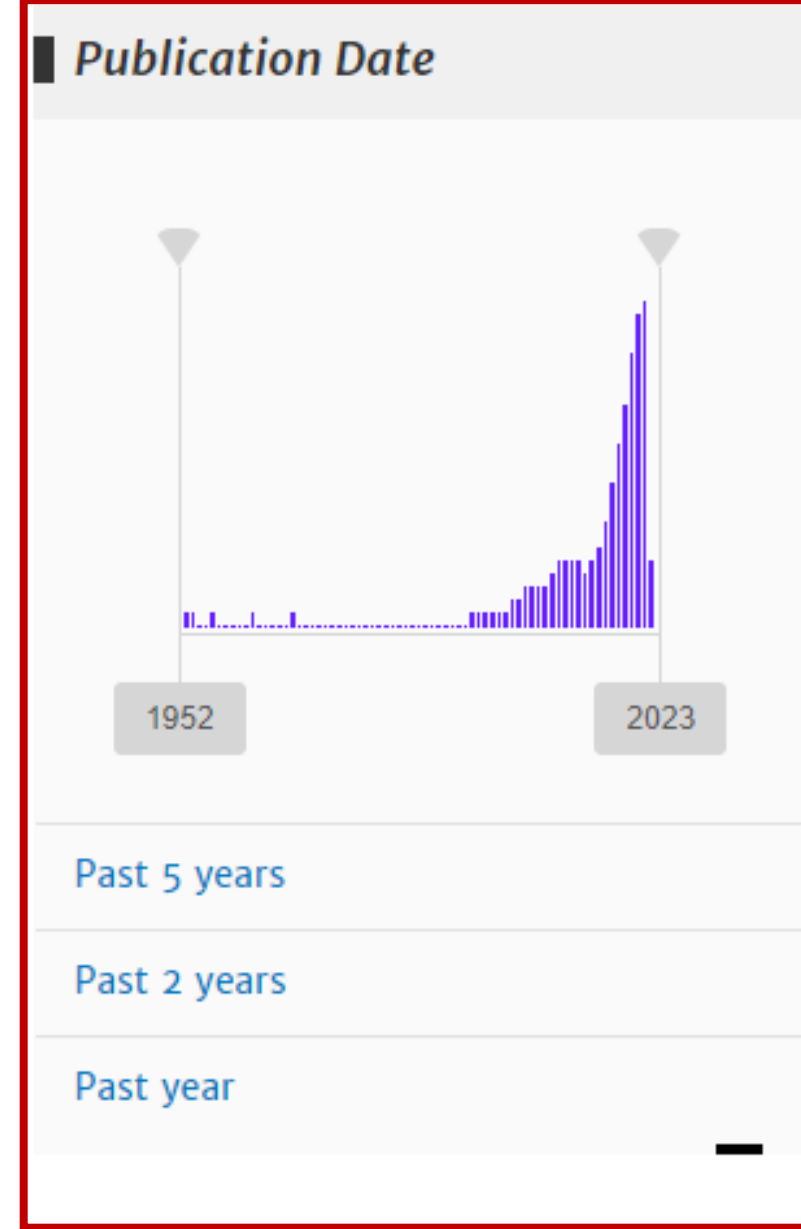
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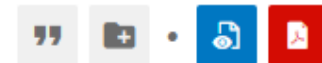
## Deep learning

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6 1,317 2 | A Highlights ▾

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## Deep Learning: An Overview

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6 1,319 Highlights ▾



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ABSTRACT  
December 2018

## g Frameworks

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Workshop on Distributed Infrastructures for Deep Learning • December

[1145/3286490.3286562](https://doi.org/10.1145/3286490.3286562)

The advent of big datasets and high speed GPUs is fueling the growth in machine and deep learning

«Metrics» alanında kaynağa yapılan alıntı sayısı, toplam indirilme sayısı, altı aylık ve yıllık zaman dilimlerinde indirilme sayıları yer alır.





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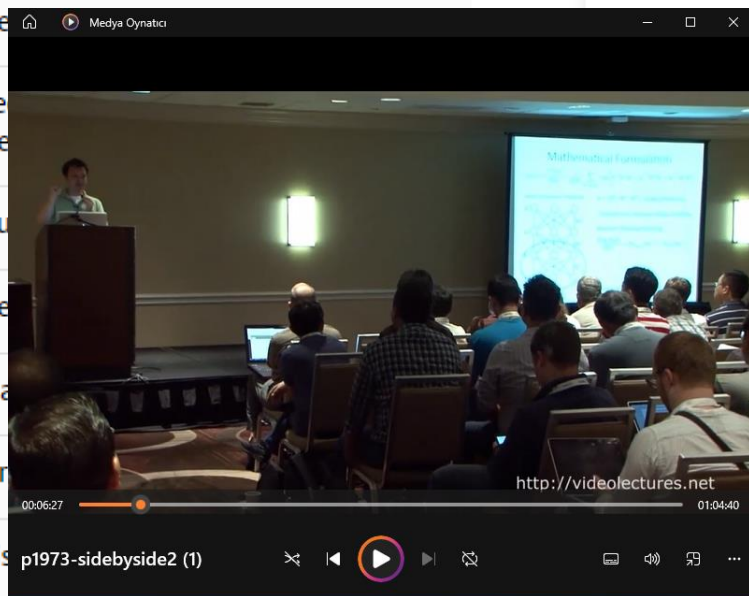


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6 1,317



Highlights

Supplementary Material

Part 2 of 2

Part 1 of 2

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SITA'18: Proceedings of the 12th International Conference on Intelligent Systems: Theories and Applications • October 2018, Article No.: 38, pp 1–6 • <https://doi.org/10.1145/3289402.3289538>

Deep learning is a thriving research area with many successful applications in different fields. The article is

Kaynakla ilgili ek materyaller ilgili kaynağın altında ataç işareti ile sunulur. Örnekte ek olarak video kayıtları yer almaktadır. Seçtiğiniz partin üzerine tıkladığınızda medya dosyası bilgisayarınızda açılacaktır.



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**Abstract**

Many existing **learning** algorithms use shallow architectures, including neural networks with only one hidden layer, support vector machines, kernel logistic regression, and many others.

The **learned** high-level representations have been shown to give state-of-the-art results in many challenging **learning** problems and have been successfully applied in a wide variety of application domains, including visual object recognition, information retrieval, natural language processing, and speech perception.

The goal of the tutorial is to introduce the recent developments of various **deep learning** methods to the KDD community.

**Full Text**

**Deep Learning** Ruslan Salakhutdinov University of Toronto Toronto, Canada rsalakhu@cs.toronto.edu

Building intelligent systems that are capable of extracting highlevel representations from high-dimensional data lies at the core of solving many AI related tasks, including visual object or pattern recognition, speech perception, and language understanding.

The goal of the tutorial is to introduce the recent developments of various **deep learning** methods to the KDD community.

Salakhutdinov's primary interests lie in statistical machine **learning**, **Deep Learning**, probabilistic graphical models, and large-scale optimization.

**Keywords**

deep learning

**Subject**

Machine **learning**

Machine **learning** approaches

Publisher

**Deep learning**[Ruslan Salakhutdinov](#)

KDD '14: Proceedings of the 20th ACM SIGKDD international conference on Knowledge discovery and data mining • August 2014, pp 1973 • <https://doi.org/10.1145/2623330.2630809>

Building intelligent systems that are capable of extracting high-level representations from high-dimensional data lies at the core of solving many AI related tasks, including visual object or pattern recognition, speech perception, and language ...

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Highlights ▾

**Deep Learning: An Overview**[Wissal Farsal](#), [Samir Anter](#), [Mohammed Ramdani](#)

TA'18: Proceedings of the 12th International Conference on Intelligent Systems: Theories and Applications • October 2018, Article No.: 38, pp 1–6 • <https://doi.org/10.1145/3289402.3289538>

Deep learning is a thriving research area with many successful applications in different fields. The article is written with a view to provide a state of the art review of deep learning. To some extent, we will present a

«Highlights» alanında kaynakla ilgili vurgulanması gereken bilgilere yer verilir. Bu özet, kaynak hakkında daha hızlı bir değerlendirme yapmanıza yardımcı olabilir.



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## Deep learning

Ruslan Salakhutdinov

KDD '14: Proceedings of the 20th ACM SIGKDD international conference on Knowledge discovery and data

/10.1145/2623330.2630809

extracting high-level representations from high-dimensional  
tasks, including visual object or pattern recognition, speech

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author = {Parag Mehta, Waseem and Aneer, Samir and Ramdani, Mohammed},  
title = {Deep Learning: An Overview},  
year = {2018},  
isbn = {9781450364621},  
publisher = {Association for Computing Machinery},  
address = {New York, NY, USA},  
url = {https://doi.org/10.1145/3289402.3289538},  
doi = {10.1145/3289402.3289538},  
abstract = {Deep Learning is a thriving research area with many  
successful applications in different fields. The article is  
written with a view to provide a state of the art review of deep  
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October 201

ned Ramdani

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Ruslan Salakhutdinov

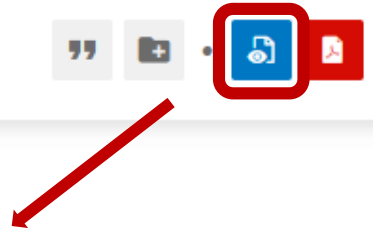
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Building intelligent systems that are data driven. The data lies at the core of solving many problems in perception, and language ...

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Building intelligent systems that are capable of extracting high-level representations from high-dimensional data lies at the core of solving many AI related tasks, including visual object or pattern recognition, speech perception, and language ...

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### Deep Learning: An Overview

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**ABSTRACT**  
Deep learning is a thriving research area with many successful applications in different fields. The article is written with a view to provide a state of the art review of deep learning. To some extent, we will present a historical overview necessary to understand the concepts that laid the foundations of today's Deep Learning. We will cover different methods that made the successful training of deep learning models possible at a very high scale in various modern practices.

**CCS CONCEPTS**  
• Computing methodologies → Machine learning

**KEYWORDS**  
Artificial Intelligence, Deep Learning, Neural Networks.

**ACM Reference format:**  
Wissal Farsal, Samir Anter and Mohammed Ramdani. 2018. Deep

attention in the past decade with modern virtual assistants. The main reasons behind such success are big data-sets that became larger and easier to access, the modern GPU architecture that made the computing time much shorter than on CPUs, and the development of open source toolboxes such as tensorflow, making the deployment of deep neural networks much easier.

However, deep learning is no new phenomenon; it just had different names throughout the years. We knew it first as cybernetics between 1940 and 1960, with the idea of a perceptron replicating the human brain, instead of dendrites that take inputs and axons we have a node that takes inputs, and computes a linear function in a cell body similar to synapses Fig. 1. Then its nomination shifted to connectionism in the 1980s and 1990s with backpropagation training limited for a couple of neural network layers. Neural networks were still very hard to train due to their computation cost, until its final rebranding as deep learning in 2006 with the work of Hinton et al [1] that marked a new age of neural networks. The said article proposed a new strategy to effectively train deep belief networks using pre-training and fine tuning.

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RESEARCH-ARTICLE

## Deep Learning: An Overview

Authors: [Wissal Farsal](#), [Samir Anter](#), [Mohammed Ramdani](#) [Authors Info & Claims](#)

SITA'18: Proceedings of the 12th International Conference on Intelligent Systems: Theories and Applications • October 2018

• Article No.: 38 • Pages 1-6 • <https://doi.org/10.1145/3289402.3289538>

Published: 24 October 2018 [Publication History](#)



10 2,019

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Deep Learning: An  
Overview

### ABSTRACT

Deep learning is a thriving research area with many successful applications in different fields. The

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October 2018



## Deep Learning: An Overview

Wissal Farsal, Samir Anter, Mohammed Ramdani

SITA'18: Proceedings of the 12th International Conference on Intelligent Systems: Theories and Applications • October 2018, Article No.: 38, pp 1–6 • <https://doi.org/10.1145/3289402.3289538>

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## Deep Learning Interpretation

Jitao Sang

MM '18: Proceedings of the 26th ACM international conference on Multimedia • October 2018, Article No.: 2100 • <https://doi.org/10.1145/3240508.3241472>

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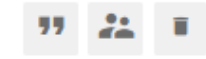
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Editor: [Soon Ae Chun](#), [Beth Simone Noveck](#)

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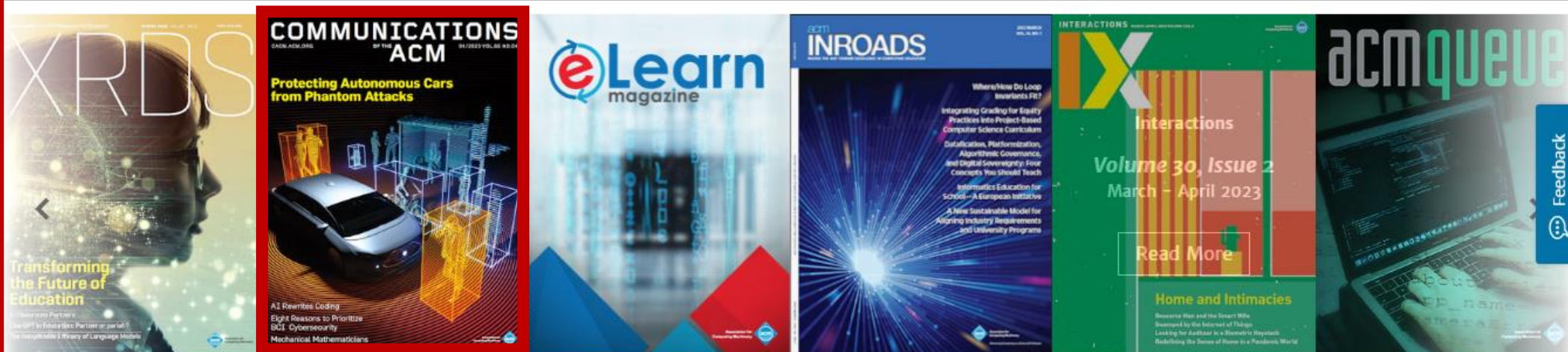
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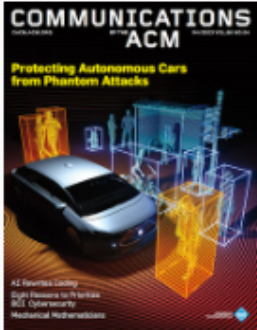
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Volume 66, Issue 4 • April 2023 • Current Issue



Editor:  [James Larus](#)

Publisher: Association for Computing Machinery, New York, NY, United States

ISSN: 0001-0782

EISSN: 1557-7317

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