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# Large Scale Simple Question Answering With Memory Networks

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Natural Language Understanding and Intelligent Applications

Web and Big Data

18th International Semantic Web Conference, Auckland, New Zealand, October  
26-30, 2019, Proceedings, Part II

The Semantic Web: ESWC 2018 Satellite Events

Semantic Web Challenges

15th European Conference, Munich, Germany, September 8-14, 2018, Proceedings,  
Part VIII

Chinese Computational Linguistics

5th International Joint Conference, APWeb-WAIM 2021, Guangzhou, China, August  
23-25, 2021, Proceedings, Part II

Natural Language Processing and Chinese Computing

19th International Semantic Web Conference, Athens, Greece, November 2-6, 2020,  
Proceedings, Part II

Advances in Information Retrieval

Knowledge Science, Engineering and Management

Proceedings of AICTC 2019

First China Conference, CCKS 2016, Beijing, China, September 19-22, 2016, Revised  
Selected Papers

The Semantic Web - ISWC 2019

44th European Conference on IR Research, ECIR 2022, Stavanger, Norway, April  
10-14, 2022, Proceedings, Part II

4th SemWebEval Challenge at ESWC 2017, Portoroz, Slovenia, May 28 - June 1, 2017,  
Revised Selected Papers

IT Convergence and Security

Handbook of Research on Cloud Computing and Big Data Applications in IoT

20th International Conference, TSD 2017, Prague, Czech Republic, August 27-31,  
2017, Proceedings

4th China Conference, CCKS 2019, Hangzhou, China, August 24-27, 2019, Revised  
Selected Papers

11th International Conference, KSEM 2018, Changchun, China, August 17-19, 2018,  
Proceedings, Part II

The Semantic Web

Database and Expert Systems Applications

Web and Big Data

Computer Vision - ECCV 2018

Confederated International Conferences: CoopIS, ODBASE, C&TC 2019, Rhodes, Greece, October 21-25, 2019, Proceedings

17th International Conference, ESWC 2020, Heraklion, Crete, Greece, May 31-June 4, 2020, Proceedings

Proceedings of ICDMAI 2019, Volume 1

6th CCF International Conference, NLPCC 2017, Dalian, China, November 8-12, 2017, Proceedings

41st European Conference on IR Research, ECIR 2019, Cologne, Germany, April 14-18, 2019, Proceedings, Part I

Natural Language Processing and Chinese Computing  
Text, Speech, and Dialogue

Web and Big Data

8th CCF International Conference, NLPCC 2019, Dunhuang, China, October 9-14, 2019, Proceedings, Part II

Third International Joint Conference, APWeb-WAIM 2019, Chengdu, China, August 1-3, 2019, Proceedings, Part I

18th China National Conference, CCL 2019, Kunming, China, October 18-20, 2019, Proceedings

4th International Joint Conference, APWeb-WAIM 2020, Tianjin, China, September

18-20, 2020, Proceedings, Part I  
4th CCF Conference, NLPCC 2015, Nanchang, China, October 9-13, 2015,  
Proceedings

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## **BRENDA KENNEDI**

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### **Natural Language Understanding and Intelligent Applications**

Springer Nature

This volume LNCS 11877

constitutes the refereed

proceedings of the

Confederated

International Conferences:

Cooperative Information

Systems, CoopIS 2019,  
Ontologies, Databases,  
and Applications of  
Semantics, ODBASE 2019,  
and Cloud and Trusted  
Computing, C&TC, held as  
part of OTM 2019 in  
October 2019 in Rhodes,  
Greece. The 38 full papers  
presented together with 8  
short papers were  
carefully reviewed and  
selected from 156  
submissions. The OTM  
program every year  
covers data and Web

semantics, distributed  
objects, Web services,  
databases,  
informationsystems,  
enterprise workflow and  
collaboration, ubiquity,  
interoperability, mobility,  
grid and high-  
performance computing.

### **Web and Big Data**

Springer Nature

This book presents the

latest findings in the

areas of data

management and smart

computing, big data

management, artificial intelligence and data analytics, along with advances in network technologies. It addresses state-of-the-art topics and discusses challenges and solutions for future development. Gathering original, unpublished contributions by scientists from around the globe, the book is mainly intended for a professional audience of researchers and practitioners in academia and industry.

18th International Semantic Web

Conference, Auckland, New Zealand, October 26-30, 2019, Proceedings, Part II Springer Nature

Today, cloud computing, big data, and the internet of things (IoT) are becoming indubitable parts of modern information and communication systems. They cover not only information and communication technology but also all types of systems in society including within the realms of business, finance, industry, manufacturing, and

management. Therefore, it is critical to remain up-to-date on the latest advancements and applications, as well as current issues and challenges. The Handbook of Research on Cloud Computing and Big Data Applications in IoT is a pivotal reference source that provides relevant theoretical frameworks and the latest empirical research findings on principles, challenges, and applications of cloud computing, big data, and IoT. While highlighting topics such as fog

computing, language interaction, and scheduling algorithms, this publication is ideally designed for software developers, computer engineers, scientists, professionals, academicians, researchers, and students.

The Semantic Web: ESWC 2018 Satellite Events

Springer Nature  
This two-volume set of LNAI 11838 and LNAI 11839 constitutes the refereed proceedings of the 8th CCF Conference on Natural Language

Processing and Chinese Computing, NLPCC 2019, held in Dunhuang, China, in October 2019. The 85 full papers and 56 short papers presented were carefully reviewed and selected from 492 submissions. They are organized in the following topical sections:

Conversational Bot/QA/IR; Knowledge graph/IE; Machine Learning for NLP; Machine Translation; NLP Applications; NLP for Social Network; NLP Fundamentals; Text Mining; Short Papers; Explainable AI Workshop;

Student Workshop: Evaluation Workshop.  
Semantic Web Challenges  
Springer

Open-Domain Question Answering  
Now Pub  
*15th European Conference, Munich, Germany, September 8-14, 2018, Proceedings, Part VIII*  
Springer Nature

This two volume set of LNCS 11706 and LNCS 11707 constitutes the refereed proceedings of the 30th International Conference on Database and Expert Systems Applications, DEXA 2019, held in Linz, Austria, in

August 2019. The 32 full papers presented together with 34 short papers were carefully reviewed and selected from 157 submissions. The papers are organized in the following topical sections: Part I: Big data management and analytics; data structures and data management; management and processing of knowledge; authenticity, privacy, security and trust; consistency, integrity, quality of data; decision support systems; data mining and warehousing.

Part II: Distributed, parallel, P2P, grid and cloud databases; information retrieval; Semantic Web and ontologies; information processing; temporal, spatial, and high dimensional databases; knowledge discovery; web services.

Chinese Computational Linguistics Springer

Nature  
Linked Data is a method of publishing structured data to facilitate sharing, linking, searching and re-use. Many such datasets have already been

published, but although their number and size continues to increase, the main objectives of linking and integration have not yet been fully realized, and even seemingly simple tasks, like finding all the available information for an entity, are still challenging. This book, *Services for Connecting and Integrating Big Numbers of Linked Datasets*, is the 50th volume in the series 'Studies on the Semantic Web'. The book analyzes the research work done in the area of linked data

integration, and focuses on methods that can be used at large scale. It then proposes indexes and algorithms for tackling some of the challenges, such as, methods for performing cross-dataset identity reasoning, finding all the available information for an entity, methods for ordering content-based dataset discovery, and others. The author demonstrates how content-based dataset discovery can be reduced to solving optimization problems, and techniques

are proposed for solving these efficiently while taking the contents of the datasets into consideration. To order them in real time, the proposed indexes and algorithms have been implemented in a suite of services called LODsyndesis, in turn enabling the implementation of other high level services, such as techniques for knowledge graph embeddings, and services for data enrichment which can be exploited for machine-learning tasks,

and which also improve the prediction of machine-learning problems.

5th International Joint Conference, APWeb-WAIM 2021, Guangzhou, China, August 23-25, 2021, Proceedings, Part II  
Springer Nature

This book constitutes the thoroughly refereed post-conference proceedings of the Satellite Events of the 15th Extended Semantic Web Conference, ESWC 2018, held in Heraklion, Crete, Greece, in June 2018. The volume contains 41 poster and demonstration papers, 11



invited workshop papers, and 9 full papers, selected out of a total of 70 submissions. They deal with all areas of semantic web research, semantic technologies on the Web and Linked Data.

**Natural Language Processing and Chinese Computing** IGI Global

This book constitutes the refereed proceedings of the 4th China Conference on Knowledge Graph and Semantic Computing, CCKS 2019, held in Hangzhou, China, in August 2019. The 18

revised full papers presented were carefully reviewed and selected from 140 submissions. The papers cover wide research fields including the knowledge graph, the semantic Web, linked data, NLP, information extraction, knowledge representation and reasoning.

**19th International Semantic Web Conference, Athens, Greece, November 2-6, 2020, Proceedings, Part II** Springer

This book constitutes the refereed proceedings of

the first China Conference on Knowledge Graph and Semantic Computing, CCKS, held in Beijing, China, in September 2016. The 19 revised full papers presented together with 6 shared tasks were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on knowledge representation and learning; knowledge graph construction and information extraction; linked data and knowledge-based

systems; shared tasks. *Advances in Information Retrieval* Springer Nature This book constitutes the refereed proceedings of the 25th International Conference on Applications of Natural Language to Information Systems, NLDB 2020, held in Saarbrücken, Germany, in June 2020.\* The 15 full papers and 10 short papers were carefully reviewed and selected from 68 submissions. The papers are organized in the following topical sections: semantic analysis; question

answering and answer generation; classification; sentiment analysis; personality, affect and emotion; retrieval, conversational agents and multimodal analysis. \*The conference was held virtually due to the COVID-19 pandemic. **Knowledge Science, Engineering and Management** Springer The two-volume set LNCS 10587 + 10588 constitutes the refereed proceedings of the 16th International Semantic Web Conference, ISWC 2017, held in Vienna,

Austria, in October 2017. ISWC 2017 is the premier international forum, for the Semantic Web / Linked Data Community. The total of 55 full and 21 short papers presented in this volume were carefully reviewed and selected from 300 submissions. They are organized according to the tracks that were held: Research Track; Resource Track; and In-Use Track. *Proceedings of AICTC 2019* Springer Nature The three-volume set LNCS 13245, 13246 and 13247 constitutes the

proceedings of the 26th International Conference on Database Systems for Advanced Applications, DASFAA 2022, held online, in April 2021. The total of 72 full papers, along with 76 short papers, are presented in this three-volume set was carefully reviewed and selected from 543 submissions. Additionally, 13 industrial papers, 9 demo papers and 2 PhD consortium papers are included. The conference was planned to take place in Hyderabad, India, but it was held virtually due to

the COVID-19 pandemic. First China Conference, CCKS 2016, Beijing, China, September 19-22, 2016, Revised Selected Papers Springer Nature This two-volume set of LNCS 12463 and LNCS 12464 constitutes - in conjunction with the volume LNAI 12465 - the refereed proceedings of the 16th International Conference on Intelligent Computing, ICIC 2020, held in Bari, Italy, in October 2020. The 162 full papers of the three proceedings volumes were carefully reviewed

and selected from 457 submissions. The ICIC theme unifies the picture of contemporary intelligent computing techniques as an integral concept that highlights the trends in advanced computational intelligence and bridges theoretical research with applications. The theme for this conference is “Advanced Intelligent Computing Methodologies and Applications.” Papers related to this theme are especially solicited, addressing theories, methodologies, and

applications in science and technology.

**The Semantic Web - ISWC 2019** Springer

This three-volume set constitutes the refereed proceedings of the 14th International Conference on Knowledge Science, Engineering and Management, KSEM 2021, held in Tokyo, Japan, in August 2021. The 164 revised full papers were carefully reviewed and selected from 492 submissions. The contributions are organized in the following topical sections:

knowledge science with learning and AI; knowledge engineering research and applications; knowledge management with optimization and security.

*44th European Conference on IR Research, ECIR 2022, Stavanger, Norway, April 10-14, 2022, Proceedings, Part II* Springer

Question answering (QA) systems on the Web try to provide crisp answers to information needs posed in natural language, replacing the traditional ranked list of documents.

QA, posing a multitude of research challenges, has emerged as one of the most actively investigated topics in information retrieval, natural language processing, and the artificial intelligence communities today. The flip side of such diverse and active interest is that publications are highly fragmented across several venues in the above communities, making it very difficult for new entrants to the field to get a good overview of the topic. Through this book, we make an

attempt towards mitigating the above problem by providing an overview of the state-of-the-art in question answering. We cover the twin paradigms of curated Web sources used in QA tasks – trusted text collections like Wikipedia, and objective information distilled into large-scale knowledge bases. We discuss distinct methodologies that have been applied to solve the QA problem in both these paradigms, using instantiations of recent systems for illustration.

We begin with an overview of the problem setup and evaluation, cover notable sub-topics like open-domain, multi-hop, and conversational QA in depth, and conclude with key insights and emerging topics. We believe that this resource is a valuable contribution towards a unified view on QA, helping graduate students and researchers planning to work on this topic in the near future.

**4th SemWebEval Challenge at ESWC 2017, Portoroz, Slovenia, May 28 - June**

### **1, 2017, Revised Selected Papers**

Springer

This two-volume set, LNCS 11317 and 12318, constitutes the thoroughly refereed proceedings of the 4th International Joint Conference, APWeb-WAIM 2020, held in Tianjin, China, in September 2020. Due to the COVID-19 pandemic the conference was organized as a fully online conference. The 42 full papers presented together with 17 short papers, and 6 demonstration papers

were carefully reviewed and selected from 180 submissions. The papers are organized around the following topics: Big Data Analytics; Graph Data and Social Networks; Knowledge Graph; Recommender Systems; Information Extraction and Retrieval; Machine Learning; Blockchain; Data Mining; Text Analysis and Mining; Spatial, Temporal and Multimedia Databases; Database Systems; and Demo. IT Convergence and Security Springer  
This book constitutes the

thoroughly refereed proceedings of the 9th Joint International Semantic Technology Conference, JIST 2019, held in Hangzhou, China, in November 2019. The 12 full papers and 12 short papers presented were carefully reviewed and selected from 70 submissions. The papers present applications of semantic technologies, theoretical results, new algorithms and tools to facilitate the adoption of semantic technologies. **Handbook of Research on Cloud Computing**

### **and Big Data Applications in IoT**

Springer Nature  
This book constitutes the refereed proceedings of the 6th CCF International Conference on Natural Language Processing, NLPCC 2017, held in Dalian, China, in November 2017. The 47 full papers and 39 short papers presented were carefully reviewed and selected from 252 submissions. The papers are organized around the following topics: IR/search/bot; knowledge graph/IE/QA; machine

learning; machine translation; NLP applications; NLP fundamentals; social networks; and text mining.

*20th International Conference, TSD 2017, Prague, Czech Republic, August 27-31, 2017, Proceedings* IOS Press

This two-volume set, LNCS 11641 and 11642, constitutes the thoroughly

refereed proceedings of the Third International Joint Conference, APWeb-WAIM 2019, held in Chengdu, China, in August 2019. The 42 full papers presented together with 17 short papers, and 6 demonstration papers were carefully reviewed and selected from 180 submissions. The papers are organized around the following topics: Big Data Analytics; Data and

Information Quality; Data Mining and Application; Graph Data and Social Networks; Information Extraction and Retrieval; Knowledge Graph; Machine Learning; Recommender Systems; Storage, Indexing and Physical Database Design; Spatial, Temporal and Multimedia Databases; Text Analysis and Mining; and Demo.

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