



# 21st International Workshop On Design, Optimization, Languages and Analytical Processing of Big Data (DOLAP 2019)

General Chair: Il-Yeol Song (Drexel University, United States)

Program Chair: Oscar Romero (Universitat Politecnica de Catalunya, Spain)

Program Chair: Robert Wrembel (Poznan University of Technology, Poland)



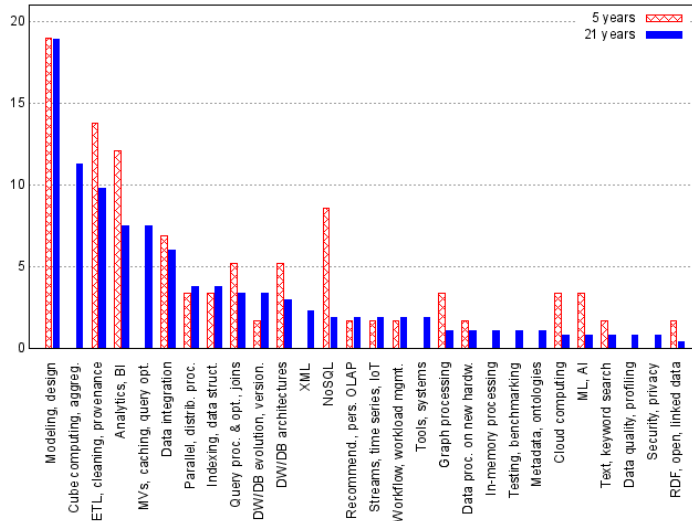
## History



1. 1998: Bethesda, Maryland, USA
2. 1999: Kansas City, Missouri, USA
3. 2000: Washington, DC, USA
4. 2001: Atlanta, Georgia, USA
5. 2002: McLean, Virginia, USA
6. 2003: New Orleans, LA, USA
7. 2004: Washington, DC, USA
8. 2005: Bremen, Germany
9. 2006: Arlington, Virginia, USA
10. 2007: Lisbon, Portugal
11. 2008: Napa Valley, California, USA
12. 2009: Hong Kong, China
13. 2010: Toronto, Ontario, Canada
14. 2011: Glasgow, United Kingdom
15. 2012: Maui, HI, USA
16. 2013: San Francisco, CA, USA
17. 2014: Shanghai, China
18. 2015: Melbourne, VIC, Australia
19. 2017: Venice, Italy
20. 2018: Vienna, Austria
21. 2019: Lisbon, Portugal



# Research Topics



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# DOLAP 2019



- ➔ 46 PC members
- ➔ 2nd time a 2-phase review process
- ➔ 26 papers submitted
- ➔ Papers accepted (46%)
  - 7 regular (27% acc.)
  - 5 short
- ➔ 2 invited talks
- ➔ Presentation rules
  - FULL PAPER → 25 minutes in total including questions and answers
  - SHORT PAPER → 15 minutes in total including questions and answers

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## Acknowledgement



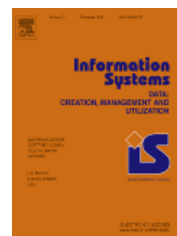
- **Prof. Norman Paton** → continuous, outstanding support for DOLAP in the EDBT/ICDT community
- **Prof. Gottfried Vossen** → long-term, outstanding support in publishing the best DOLAP papers in the Information Systems journal



## Information Systems



- **The best papers will be invited to be included in a special issue of IS**
  - these papers **MUST** include at least **30%** of new contribution
  - will undergo a thorough reviewing process
- **Tentative timeline**
  - **inviting papers: 5 Apr 2019**
  - **submission deadline: 2 Jul 2019**
  - **1st review due: 1 Oct 2019**
  - **1st revision due: 20 Nov 2019**
  - **2nd review due: 20 Dec 2019**
  - **final paper due: 5 Feb 2020**

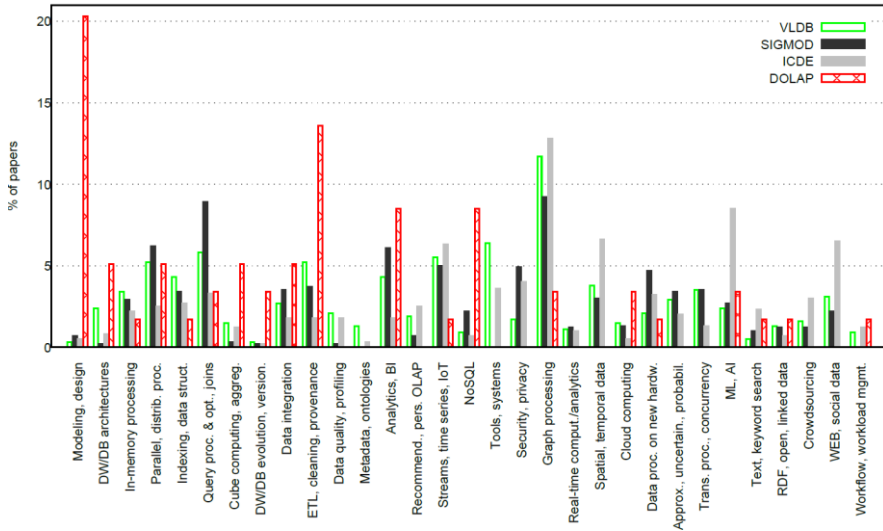




# IS DOLAP 2018



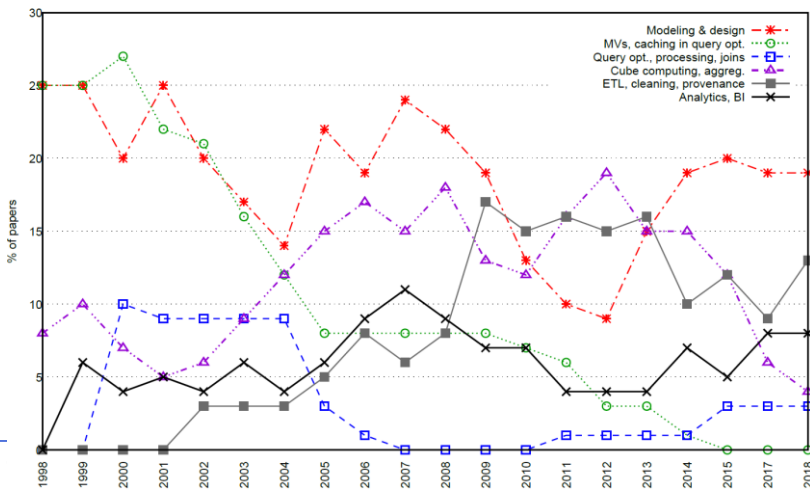
## ⇒ R. Wrembel, A. Abelló, I-Y. Song: Data Warehouse Research over Two Decades: Challenges and Still Open Research Problems



# IS DOLAP 2018



## ⇒ 20Y DOLAP trends - 5Y moving avg ⇒ Open research issues discussed





## Invited talks



- **ETL in Big Data Architectures: IBM Approach to Design and Optimization of ETL Workflows**
  - **Michal Bodziony (IBM Poland)**
- **Automating Data Preparation: Can We? Should We? Must We?**
  - **Norman Paton (University of Manchester, UK)**



## Invited talks



- **Michał Bodziony (IBM Poland)**
  - **a senior performance specialist**
  - **over 20 years of professional experience**
    - **software and performance architect in several projects in 6 software companies, prior to joining IBM**
    - **Performance Architect for IBM Pure Data for Analytics (Netezza)**
    - **recently involved in development of IBM Unified Governance & Integration (focused on ETL performance and overall portfolio security)**
    - **an author of 6 granted US patents**



## Invited talks



### ➤ Norman Paton (University of Manchester, UK)

- a Professor of Computer Science
- co-leader of the Information Management Group
- director of Teaching Strategy
- director of Postgraduate Taught Programmes
- director of the Research School, and Head of School @UM
- an investigator on over 40 research grants from the UK and EU
- published around 250 refereed articles
- **Research areas: DBs and distributed information management, data integration**
- **the President of EDBT**
- a member of the Editorial Board of Distrib. and Parallel DBs
- **PC and Track Chair at several international conferences, including CIKM, EDBT, ICDE and VLDB**
- **entrepreneur → the Data Value Factory**