

# PVLDB Volume 13, VLDB 2020 EiCs/PC Co-Chairs Report

Magdalena Balazinska & Xiaofang Zhou

Tuesday, September 1st 2020



# Review Board

- 18 Associate Editors
- 186 Review Board members
- 26 External Reviewers
- 133 Additional Reviewers

## Associate Editors - PVLDB Vol 13

- Azza Abouzied (New York University Abu Dhabi)
- Amr El Abbadi (University of California, Santa Barbara)
- Phil Bernstein (Microsoft Research)
- Xin Luna Dong (Amazon)
- Zi (Helen) Huang (University of Queensland)
- Nick Koudas (University of Toronto)
- Georgia Koutrika (Athena Research Center)
- Guoliang Li (Tsinghua University)
- Alexandra Meliou (University of Massachusetts, Amherst)
- Felix Naumann (Hasso Plattner Institute, University of Potsdam)
- Dan Olteanu (University of Oxford)
- M. Tamer Özsu (University of Waterloo)
- Aditya Parameswaran (University of California, Berkeley)
- Andy Pavlo (Carnegie Mellon University)
- Xiaokui Xiao (National University of Singapore)
- Jeffrey Xu Yu (The Chinese University of Hong Kong)
- Meihui Zhang (Beijing Institute of Technology)
- Jingren Zhou (Alibaba Group)

# Distinguished Reviewers

Arvind Arasu *Microsoft*

Ashraf Aboulnaga *Qatar Computing Research Institute, HBKU*

Carsten Binning *TU Darmstadt*

Dan Kifer *Pennsylvania State University*

A. Erdem Sariyuce *University at Buffalo*

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Hideaki Kimura *Oracle*

Holger Pirk *Imperial College London*

Ioana Manolescu *Inria and Institut Polytechnique de Paris*

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Jose Faleiro *Microsoft Research*

Ken Salem *University of Waterloo*

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Mourad Ouzzani *Qatar Computing Research Institute, HBKU*

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Torsten Grust *Universität Tübingen*

Xu Chu *Georgia Tech*

Yongxin Tong *Beihang University*

Yuefei Tao *Chinese University of Hong Kong*

# Acknowledgements

## Tutorial Chairs

- Michael J. Carey (University of California, Irvine)
- Renée J. Miller (Northeastern University)

## Industrial Chairs

- Tiziana Catarci (Sapienza Università di Roma)
- Carlo Curino (Microsoft)
- Divesh Srivastava (AT&T Labs)

## Demo Chairs

- Yasuhiro Fujiwara (NTT)
- Ioana Manolescu (INRIA)
- Ying Zhang (University of Technology, Sydney)

## Panel Chairs

- Anastasia Ailamaki (EPFL)
- Surajit Chaudhuri (Microsoft)

## Workshop Chairs

- Wook-Shin Han (POSTECH)
- Makoto Onizuka (Osaka University)
- Nesime Tatbul (MIT / Intel Labs)

## PhD Workshop Chairs

- Ziawasch Abedjan (TU Berlin)
- Katja Hose (Aalborg University)

# Conference Program Overview

3 keynote talks

12 workshops (including PhD Workshop)

1 special invited talk (racism & technology)

10 demo sessions

1 plenary panel

2 VLDBJ sessions

3 award talks

16 round table discussions

6 tutorials

11 sponsor sessions

80 research and industry paper sessions

1 virtual Japan presentation

12 parties! (see interactive program)

**All this X 2 ! (except tutorials, parties, & sponsor sessions)**

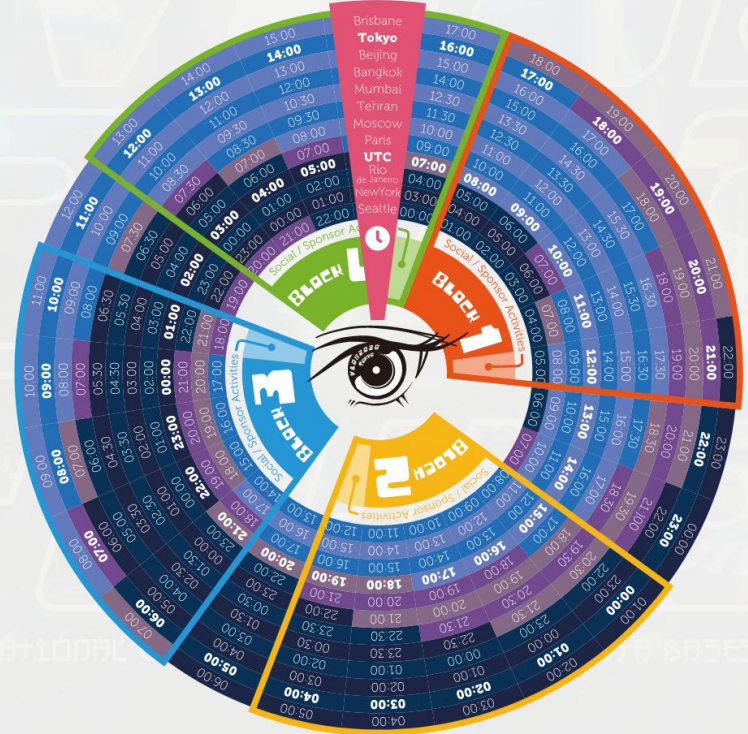
Block 1

Block 2

Block 3

Block 4

UTC-time	Seattle	New York	Rio de Janeiro	Dakar	Paris	Moscow	Tehran	Mumbai	Bangkok	Beijing	Tokyo	Brisbane
Tuesday, September 1, 2020 at 07:00:00	Tue 12:00 midnight *	Tue 3:00 am *	Tue 4:00 am	Tue 7:00 am	Tue 9:00 am *	Tue 10:00 am	Tue 11:30 am *	Tue 12:30 pm	Tue 2:00 pm	Tue 3:00 pm	Tue 4:00 pm	Tue 5:00 pm
Tuesday, September 1, 2020 at 08:00:00	Tue 1:00 am *	Tue 4:00 am *	Tue 5:00 am	Tue 8:00 am	Tue 10:00 am *	Tue 11:00 am	Tue 12:30 pm *	Tue 1:30 pm	Tue 3:00 pm	Tue 4:00 pm	Tue 5:00 pm	Tue 6:00 pm
Tuesday, September 1, 2020 at 09:00:00	Tue 2:00 am *	Tue 5:00 am *	Tue 6:00 am	Tue 9:00 am	Tue 11:00 am *	Tue 12:00 noon	Tue 1:30 pm *	Tue 2:30 pm	Tue 4:00 pm	Tue 5:00 pm	Tue 6:00 pm	Tue 7:00 pm
Tuesday, September 1, 2020 at 10:00:00	Tue 3:00 am *	Tue 6:00 am *	Tue 7:00 am	Tue 10:00 am	Tue 12:00 noon *	Tue 1:00 pm	Tue 2:30 pm *	Tue 3:30 pm	Tue 5:00 pm	Tue 6:00 pm	Tue 7:00 pm	Tue 8:00 pm
Tuesday, September 1, 2020 at 11:00:00	Tue 4:00 am *	Tue 7:00 am *	Tue 8:00 am	Tue 11:00 am	Tue 1:00 pm *	Tue 2:00 pm	Tue 3:30 pm *	Tue 4:30 pm	Tue 6:00 pm	Tue 7:00 pm	Tue 8:00 pm	Tue 9:00 pm
Tuesday, September 1, 2020 at 12:00:00	Tue 5:00 am *	Tue 8:00 am *	Tue 9:00 am	Tue 12:00 noon	Tue 2:00 pm *	Tue 3:00 pm	Tue 4:30 pm *	Tue 5:30 pm	Tue 7:00 pm	Tue 8:00 pm	Tue 9:00 pm	Tue 10:00 pm
Tuesday, September 1, 2020 at 13:00:00	Tue 6:00 am *	Tue 9:00 am *	Tue 10:00 am	Tue 1:00 pm	Tue 3:00 pm *	Tue 4:00 pm	Tue 5:30 pm *	Tue 6:30 pm	Tue 8:00 pm	Tue 9:00 pm	Tue 10:00 pm	Tue 11:00 pm
Tuesday, September 1, 2020 at 14:00:00	Tue 7:00 am *	Tue 10:00 am *	Tue 11:00 am	Tue 2:00 pm	Tue 4:00 pm *	Tue 5:00 pm	Tue 6:30 pm *	Tue 7:30 pm	Tue 9:00 pm	Tue 10:00 pm	Tue 11:00 pm	Wed 12:00 midnight
Tuesday, September 1, 2020 at 15:00:00	Tue 8:00 am *	Tue 11:00 am *	Tue 12:00 noon	Tue 3:00 pm	Tue 5:00 pm *	Tue 6:00 pm	Tue 7:30 pm *	Tue 8:30 pm	Tue 10:00 pm	Tue 11:00 pm	Wed 12:00 midnight	Wed 1:00 am
Tuesday, September 1, 2020 at 16:00:00	Tue 9:00 am *	Tue 12:00 noon *	Tue 1:00 pm	Tue 4:00 pm	Tue 6:00 pm *	Tue 7:00 pm	Tue 8:30 pm *	Tue 9:30 pm	Tue 11:00 pm	Wed 12:00 midnight	Wed 1:00 am	Wed 2:00 am
Tuesday, September 1, 2020 at 17:00:00	Tue 10:00 am *	Tue 1:00 pm *	Tue 2:00 pm	Tue 5:00 pm	Tue 7:00 pm *	Tue 8:00 pm	Tue 9:30 pm *	Tue 10:30 pm	Wed 12:00 midnight	Wed 1:00 am	Wed 2:00 am	Wed 3:00 am
Tuesday, September 1, 2020 at 18:00:00	Tue 11:00 am *	Tue 2:00 pm *	Tue 3:00 pm	Tue 6:00 pm	Tue 8:00 pm *	Tue 9:00 pm	Tue 10:30 pm *	Tue 11:30 pm	Wed 1:00 am	Wed 2:00 am	Wed 3:00 am	Wed 4:00 am
Tuesday, September 1, 2020 at 19:00:00	Tue 12:00 noon *	Tue 3:00 pm *	Tue 4:00 pm	Tue 7:00 pm	Tue 9:00 pm *	Tue 10:00 pm	Tue 11:30 pm *	Wed 12:30 am	Wed 2:00 am	Wed 3:00 am	Wed 4:00 am	Wed 5:00 am
Tuesday, September 1, 2020 at 20:00:00	Tue 1:00 pm *	Tue 4:00 pm *	Tue 5:00 pm	Tue 8:00 pm	Tue 10:00 pm *	Tue 11:00 pm	Wed 12:30 am *	Wed 1:30 am	Wed 3:00 am	Wed 4:00 am	Wed 5:00 am	Wed 6:00 am
Tuesday, September 1, 2020 at 21:00:00	Tue 2:00 pm *	Tue 5:00 pm *	Tue 6:00 pm	Tue 9:00 pm	Tue 11:00 pm *	Wed 12:00 midnight	Wed 1:30 am *	Wed 2:30 am	Wed 4:00 am	Wed 5:00 am	Wed 6:00 am	Wed 7:00 am
Tuesday, September 1, 2020 at 22:00:00	Tue 3:00 pm *	Tue 6:00 pm *	Tue 7:00 pm	Tue 10:00 pm	Wed 12:00 midnight *	Wed 1:00 am	Wed 2:30 am *	Wed 3:30 am	Wed 5:00 am	Wed 6:00 am	Wed 7:00 am	Wed 8:00 am
Tuesday, September 1, 2020 at 23:00:00	Tue 4:00 pm *	Tue 7:00 pm *	Tue 8:00 pm	Tue 11:00 pm	Wed 1:00 am *	Wed 2:00 am	Wed 3:30 am *	Wed 4:30 am	Wed 6:00 am	Wed 7:00 am	Wed 8:00 am	Wed 9:00 am
Wednesday, September 2, 2020 at 00:00:00	Tue 5:00 pm *	Tue 8:00 pm *	Tue 9:00 pm	Wed 12:00 midnight	Wed 2:00 am *	Wed 3:00 am	Wed 4:30 am *	Wed 5:30 am	Wed 7:00 am	Wed 8:00 am	Wed 9:00 am	Wed 10:00 am
Wednesday, September 2, 2020 at 01:00:00	Tue 6:00 pm *	Tue 9:00 pm *	Tue 10:00 pm	Wed 1:00 am	Wed 3:00 am *	Wed 4:00 am	Wed 5:30 am *	Wed 6:30 am	Wed 8:00 am	Wed 9:00 am	Wed 10:00 am	Wed 11:00 am
Wednesday, September 2, 2020 at 02:00:00	Tue 7:00 pm *	Tue 10:00 pm *	Tue 11:00 pm	Wed 2:00 am	Wed 4:00 am *	Wed 5:00 am	Wed 6:30 am *	Wed 7:30 am	Wed 9:00 am	Wed 10:00 am	Wed 11:00 am	Wed 12:00 noon
Wednesday, September 2, 2020 at 03:00:00	Tue 8:00 pm *	Tue 11:00 pm *	Wed 12:00 midnight	Wed 3:00 am	Wed 5:00 am *	Wed 6:00 am	Wed 7:30 am *	Wed 8:30 am	Wed 10:00 am	Wed 11:00 am	Wed 12:00 noon	Wed 1:00 pm
Wednesday, September 2, 2020 at 04:00:00	Tue 9:00 pm *	Wed 12:00 midnight *	Wed 1:00 am	Wed 4:00 am	Wed 6:00 am *	Wed 7:00 am	Wed 8:30 am *	Wed 9:30 am	Wed 11:00 am	Wed 12:00 noon	Wed 1:00 pm	Wed 2:00 pm
Wednesday, September 2, 2020 at 05:00:00	Tue 10:00 pm *	Wed 1:00 am *	Wed 2:00 am	Wed 5:00 am	Wed 7:00 am *	Wed 8:00 am	Wed 9:30 am *	Wed 10:30 am	Wed 12:00 noon	Wed 1:00 pm	Wed 2:00 pm	Wed 3:00 pm
Wednesday, September 2, 2020 at 06:00:00	Tue 11:00 pm *	Wed 2:00 am *	Wed 3:00 am	Wed 6:00 am	Wed 8:00 am *	Wed 9:00 am	Wed 10:30 am *	Wed 11:30 am	Wed 1:00 pm	Wed 2:00 pm	Wed 3:00 pm	Wed 4:00 pm



# 24-hour Online Program

# 3 Keynotes



## The Relational Data Borg is Learning

Dan Olteanu (The University of Zurich)

- *Primary (Session 02P) Tuesday, September 1st 2020, 7:00 pm [9:00 am UTC]*
- *Repeat (Session 11P) Wednesday, September 2nd 2020, 7:00 am [Tue, Sep 1st, 9:00 pm UTC]*



## Responsible Data Management

Julia Stoyanovich (New York University)

- *Primary (Session 26P) Thursday, September 3rd 2020, 1:00 am [Wed, Sep 2nd, 3:00 pm UTC]*
- *Repeat (Session 36P) Thursday, September 3rd 2020, 1:00 pm [3:00 am UTC]*



## Out-of-order Execution of Query Processing and New Advances in COVID-19 Information

Masaru Kitsuregawa (National Institute of Informatics and The University of Tokyo)

- *Primary (Session 41P) Thursday, September 3rd 2020, 6:00 pm [8:00 am UTC]*
- *Repeat (Session 54P) Friday, September 4th 2020, 10:00 am [12:00 am UTC]*

# Special Session on Racism & Technology



## **2020 Vision: Reimagining the Default Settings of Technology & Society**

Ruha Benjamin (Princeton University)

- *Primary (**Session 30P**) Thursday, September 3rd 2020, 5:00 am [Wed, Sep 2nd, 7:00 pm UTC]*
- *Replay (**Session 40r, Round Table 9**) Thursday, September 3rd 2020, 17:00 [7:00 UTC]*



# Panel

## **Winds from Seattle: Database Research Directions**

- *Primary (Session 27P) Thursday, September 3rd 2020, 2:00 am [Wed, Sep 2nd, 4:00 pm UTC] 90 minutes*
- *Replay (Session 37P) Thursday, September 3rd 2020, 14:00 [4:00 UTC]*

**Chair:** Joe Hellerstein

## **Panelists:**

- Peter Bailis
- Magda Balazinska
- Xin Luna Dong
- Juliana Freire
- Raghu Ramakrishnan
- Michael Stonebraker

# Best Paper Presentations

## Best Paper:

Opportunities for Optimism in Contended Main-Memory Multicore Transactions (**Session 12B & 42B**)

*Yihe Huang ( Harvard University), William Qian ( Harvard University), Eddie Kohler ( Harvard University), Barbara Liskov ( MIT), Liuba Shrira ( Brandeis University)*

## Best Paper Runner-Ups :

Pushing Data-Induced Predicates Through Joins in Big-Data Clusters (**Session 07A & 57A**)

*Srikanth Kandula (Microsoft Research), Laurel Orr (Stanford University), Surajit Chaudhuri (Microsoft Research)*

Maximum Biclique Search at Billion Scale (**Session 09D & 59D**)

*Bingqing Lyu ( Alibaba Group), Lu Qin ( University of Technology Sydney), Xuemin Lin ( University of New South Wales), Ying Zhang ( University of Technology Sydney), Zhengping Qian ( Alibaba Group), Jingren Zhou ( Alibaba Group)*

## Best Paper Award Committee:

- Gustavo Alonso
- Jignesh Patel
- Beng Chin Ooi (Chair)
- Wang-Chiew Tan
- Meihui Zhang

# Best Industrial Track Paper Presentations

## Best Paper:

DIAMetrics: Benchmarking Query Engines at Scale (**Session 18E & 49E**)

*Anja Gruenheid (Google Inc.), Shaleen Deep (University of Wisconsin-Madison),  
Kruthi Nagaraj (Google Inc.), Hiro Naito (Google Inc.), Jeff Naughton (Google),  
Stratis Viglas (University of Edinburgh)*

## Honorable Mention:

MyRocks: Migrating to a LSM-Tree Database Optimized for Facebook's Social Graph (**Session 14C & 44C**)

*Yoshinori Matsunobu (Facebook), Siying Dong (Facebook), Herman Lee (Facebook)*

## Best Industry Paper Award Committee:

- Anastasia Ailamaki (Chair)
- Phil Bernstein
- Elisa Bertino
- Alon Halevy
- Laura Hass

# “Most Reproducible Paper” Presentations

## Mind the Gap: An Experimental Evaluation of Imputation of Missing Values (**Session 24E & 33E**)

*Mourad Khayati (University of Fribourg),  
Alberto Lerner (University of Fribourg),  
Zakhar Tymchenko (University of Fribourg),  
Philippe Cudre-Mauroux (University of Fribourg)*

## A Comparative Evaluation of Order-Revealing Encryption Schemes and Secure Range-Query Protocols (**in Vol 12**)

*Dmytro Bogatov (Boston University), George Kollios (Boston University), Leo Reyzin (Boston University)*

## Reproducibility Committee:

- Co-Chair: Peter Triantafillou, *University of Warwick*
- Co-Chair: Oliver Kennedy, *University at Buffalo*
- *Boston University*: Charalampos Tsourakakis
- *Delaware State University*: Gokhan Kul
- *Duke University*: Sudeepa Roy, Yuhao Wen, Prajakta Kalmegh, Zhengjie Miao, Yuchao Tao
- *IIT Delhi*: Maya Ramanath, Madhulika Mohanty, Prajna Upadhyay
- *Inria*: Ioana Manolescu, Tien-Duc Cao
- *Imperial College London*: Peter Pietzuch, George Theodorakis, Panagiotis Garefalakis
- *Northeastern University*: Mirek Riedwald
- *Tsinghua University*: Guoliang Li, Ji Sun
- *Télécom ParisTech University*: Fabian Suchanek, Jonathan Lajus
- *UC Davis*: Mohammad Sadoghi, Suyash Gupta, Thamir Qadah, Sajjad Rahnama
- *University of Glasgow*: Nikos Ntarmos, Iulia Popescu, Fotis Savva
- *University of Insubria*: Elena Ferrari
- *University of New South Wales*: Wenjie Zhang
- *University of Pittsburgh*: Panos Chrysanthis, Bruce R Childers, Daniel Petrov, Xiaoyu Ge
- *University of Western Australia*: Jianxin Li

# Review and Discussion Process

## New This Year

- Plagiarism detection
- TPMS-based automatic assignment to reviewers, followed by manual adjustments
- Fourth reviewers: When low confidence reviews & when useful to discussion
- Flavors of research papers (algorithms, systems, foundations, architecture)

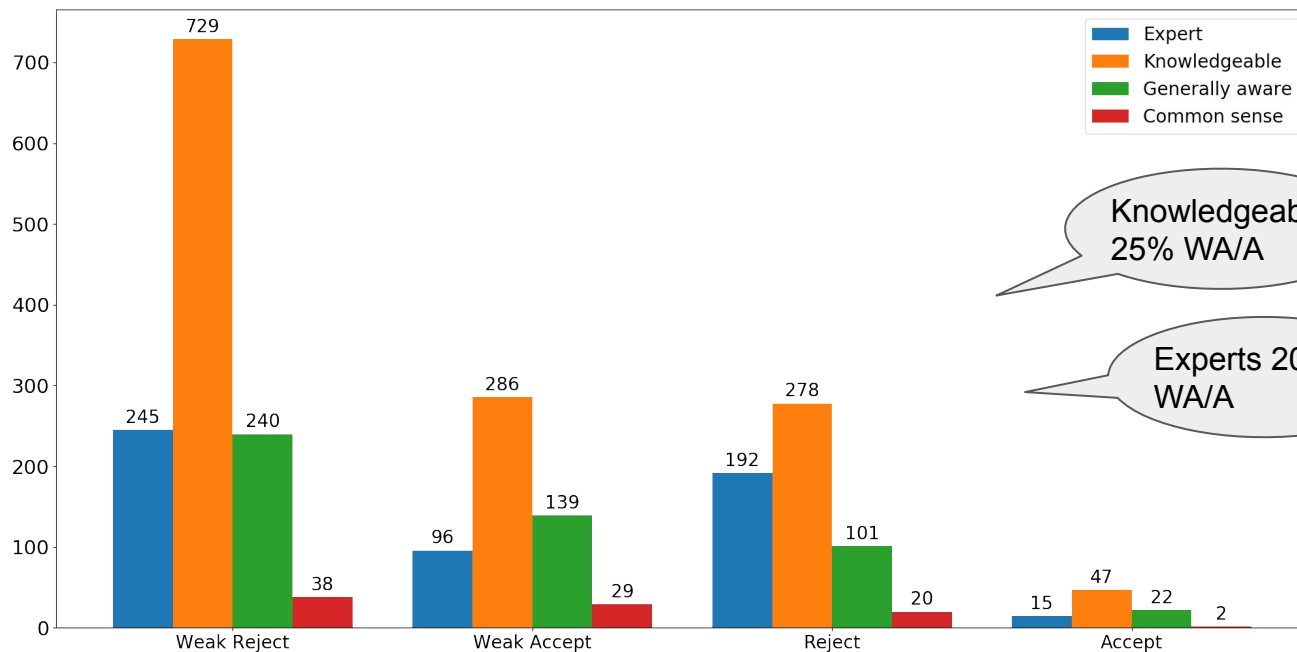
## Other Process Highlights

- Each AE took two months off; Reviewers worked every other month except February & March 2020
- EiCs worked continuously
- Manual assignment of papers to AEs
- Scope-based desk-rejects: made by EiCs in consultation with AEs, sometimes also reviewers
- Paper shepherding when beneficial to a paper's acceptance

# Expertise Level vs Rating

- Paper assignment using TPMS
- Out of nearly 2500 initial reviews
  - 4% common sense, 20% generally aware, 58% knowledgeable, 22% expert
  - 4th reviewers to ensure at least 2 knowledgeable or expert reviewers / paper

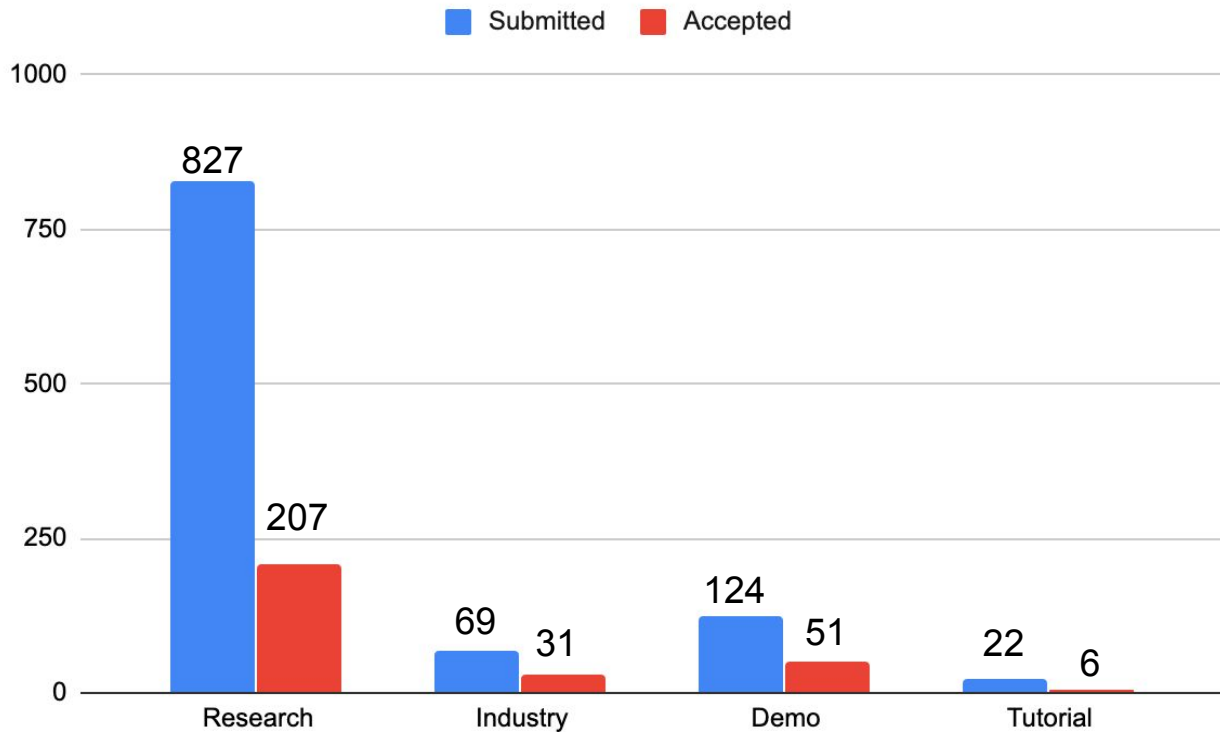
Nearly identical  
to 2019



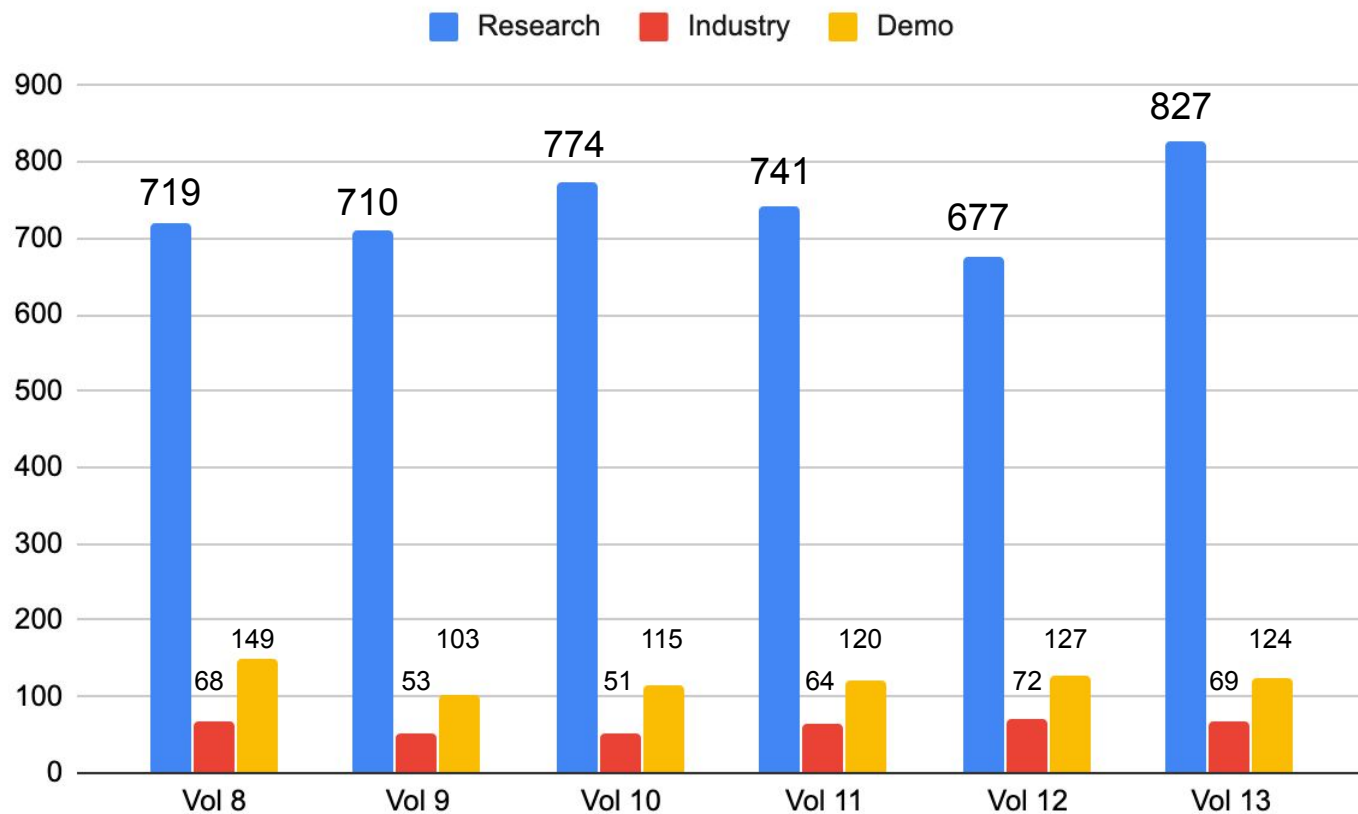
Knowledgeable  
25% WA/A

Experts 20%  
WA/A

# Statistics for PVLDB Vol 13 (VLDB'20)



# Submission Over Years

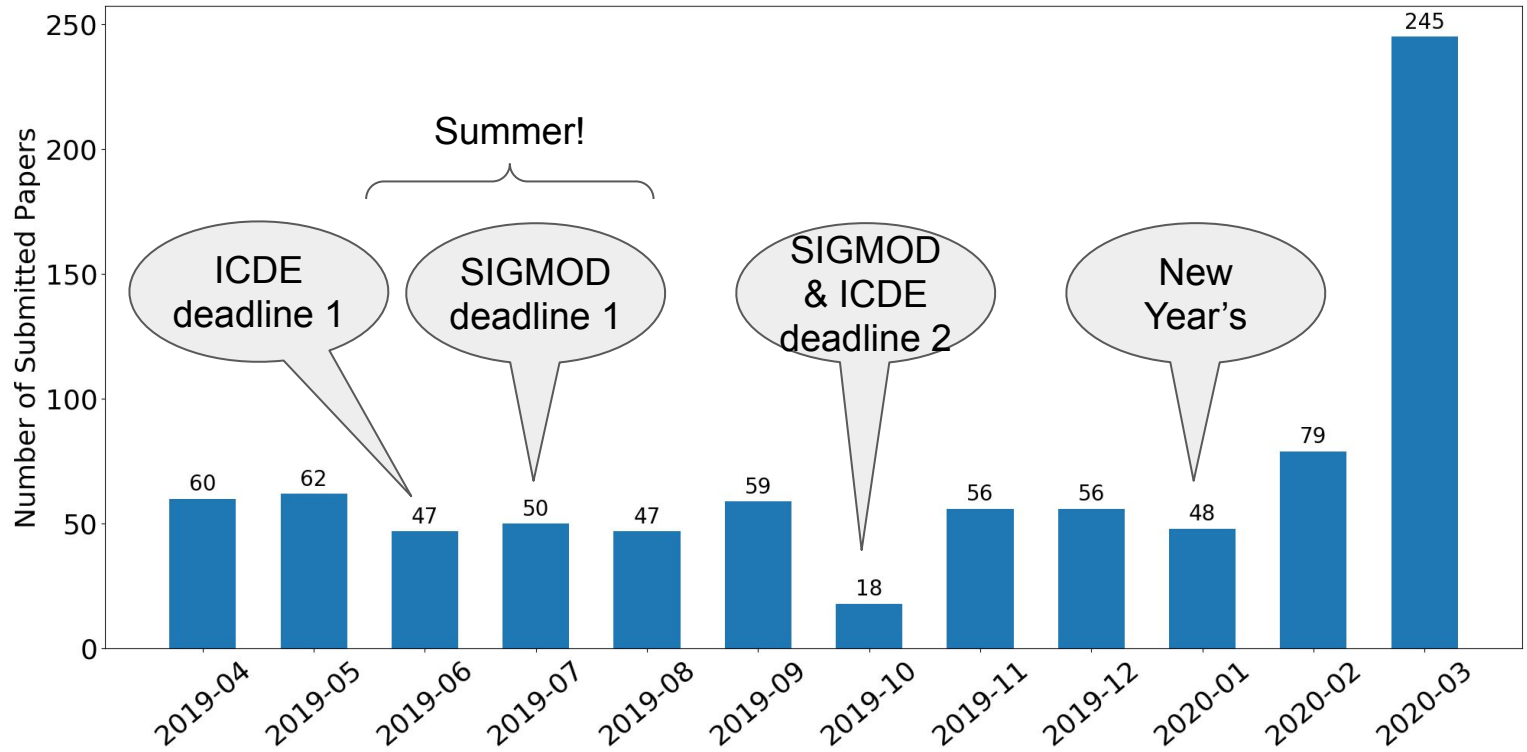




# VLDB'20 - PVLDB Vol 13 Stats

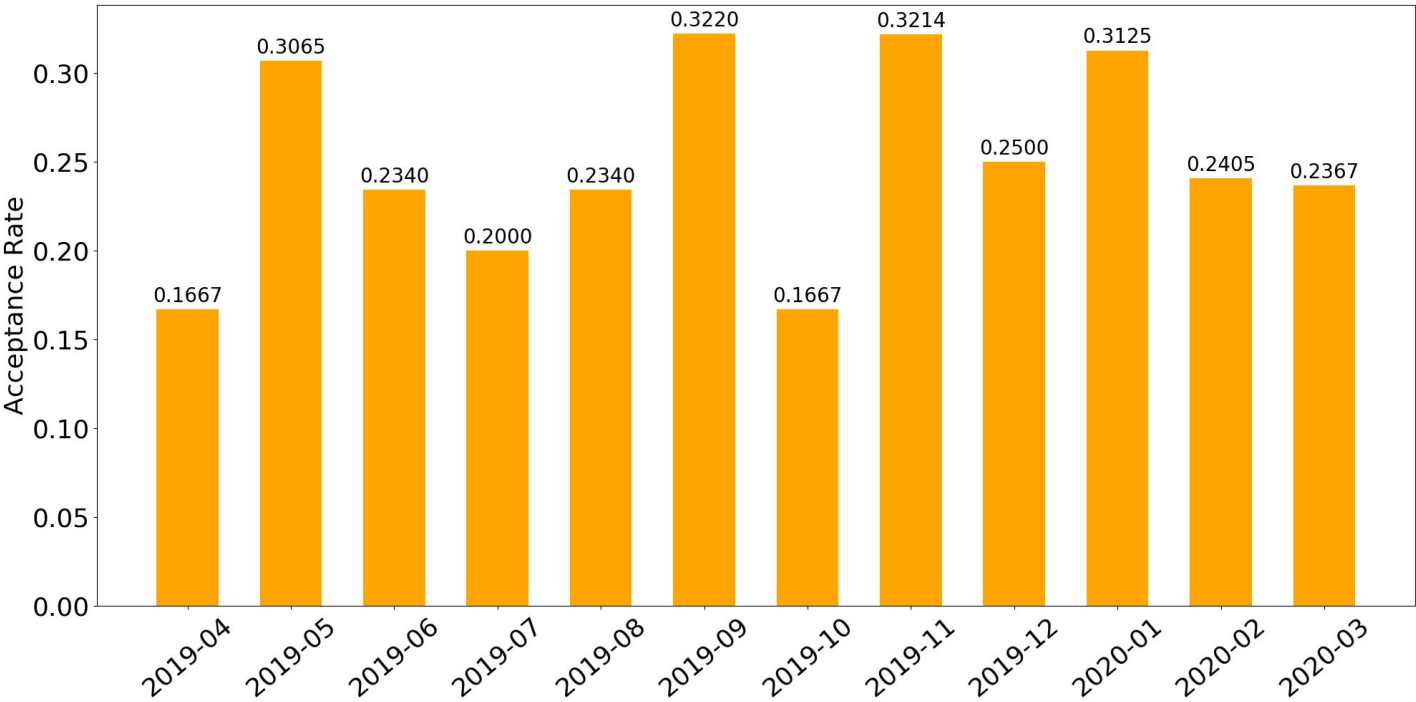
## Deeper Dive into Research Papers

# Research Paper Submissions Over Months

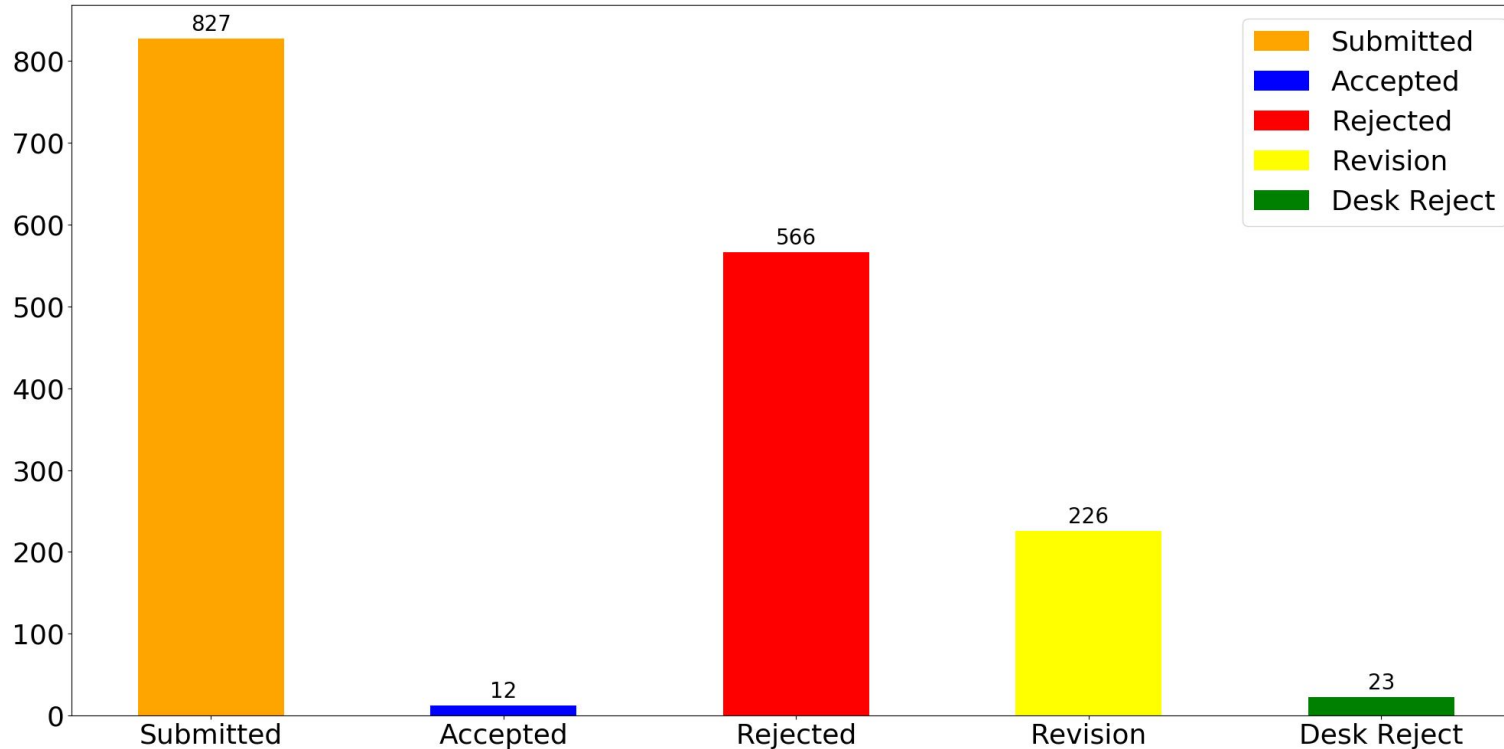


# Research Paper Acceptance Rate Over Months

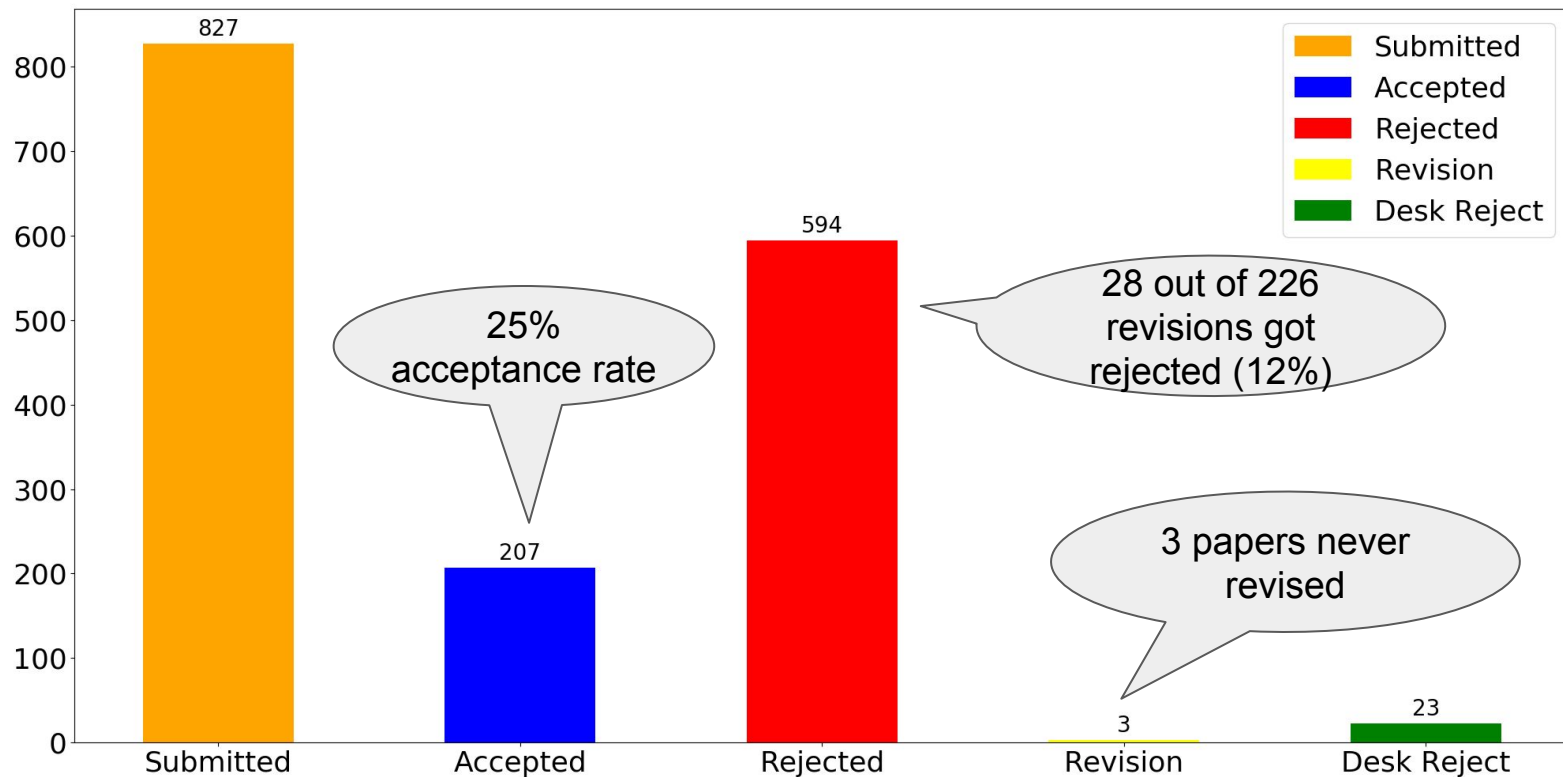
Acceptance rate: 25%  
(26% ignoring desk rejects)



# Outcomes after Initial Reviews & Discussions



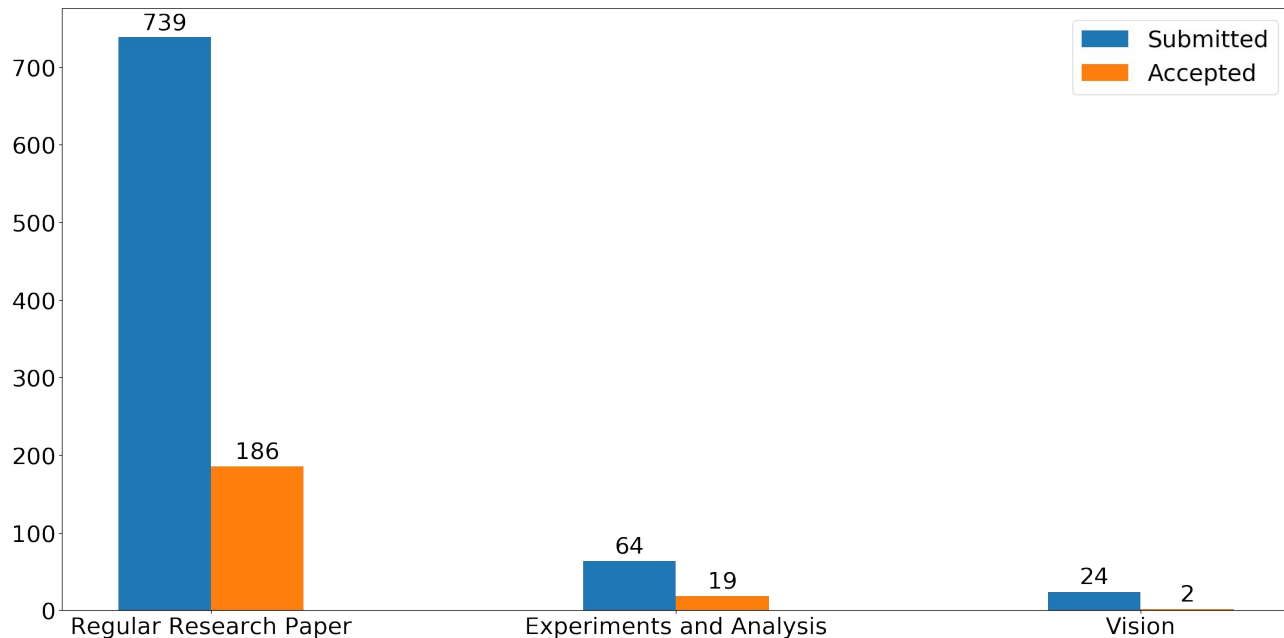
# Outcomes after Revision Phase



# Fraction of Accepted Papers In Each Category

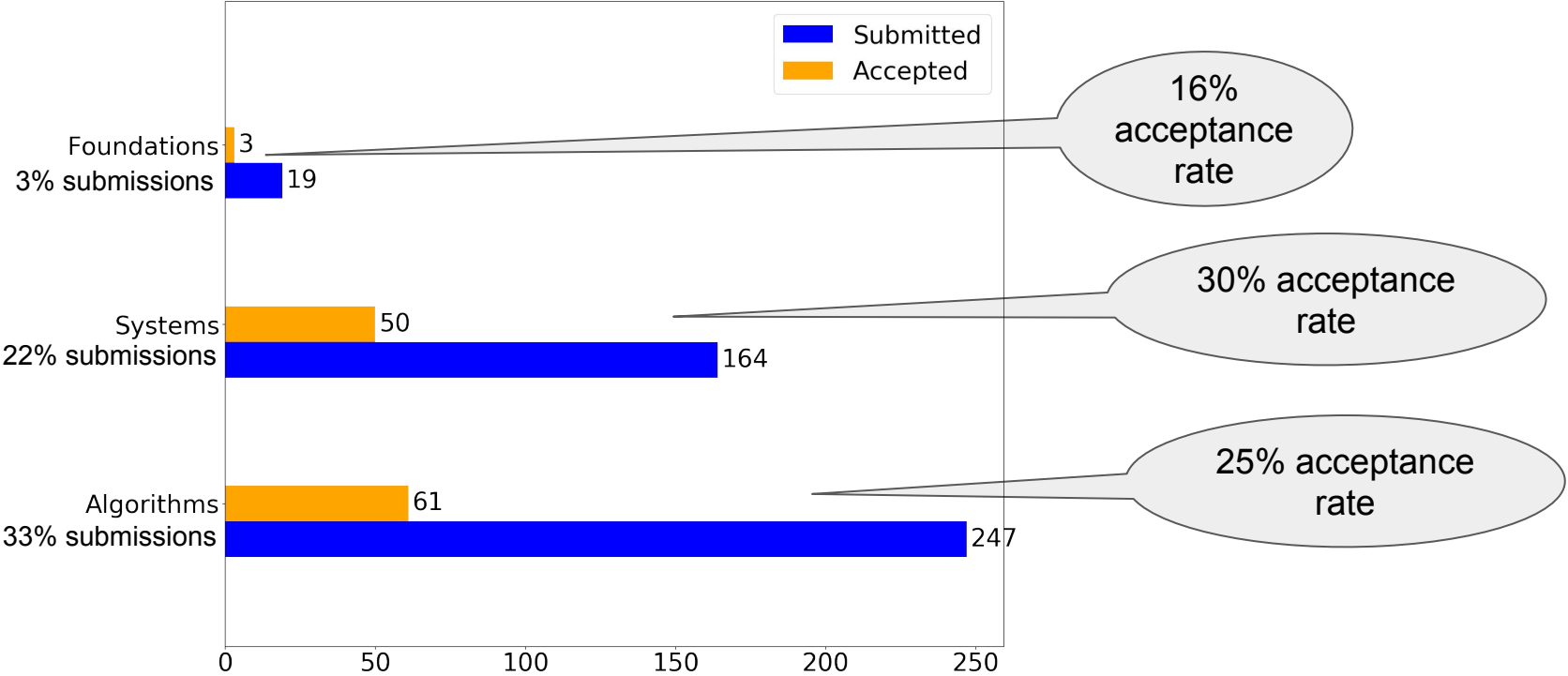
90% of submitted and accepted papers are regular research papers

Acceptance rates: 25% regular, 30% E&A, but only 8% vision



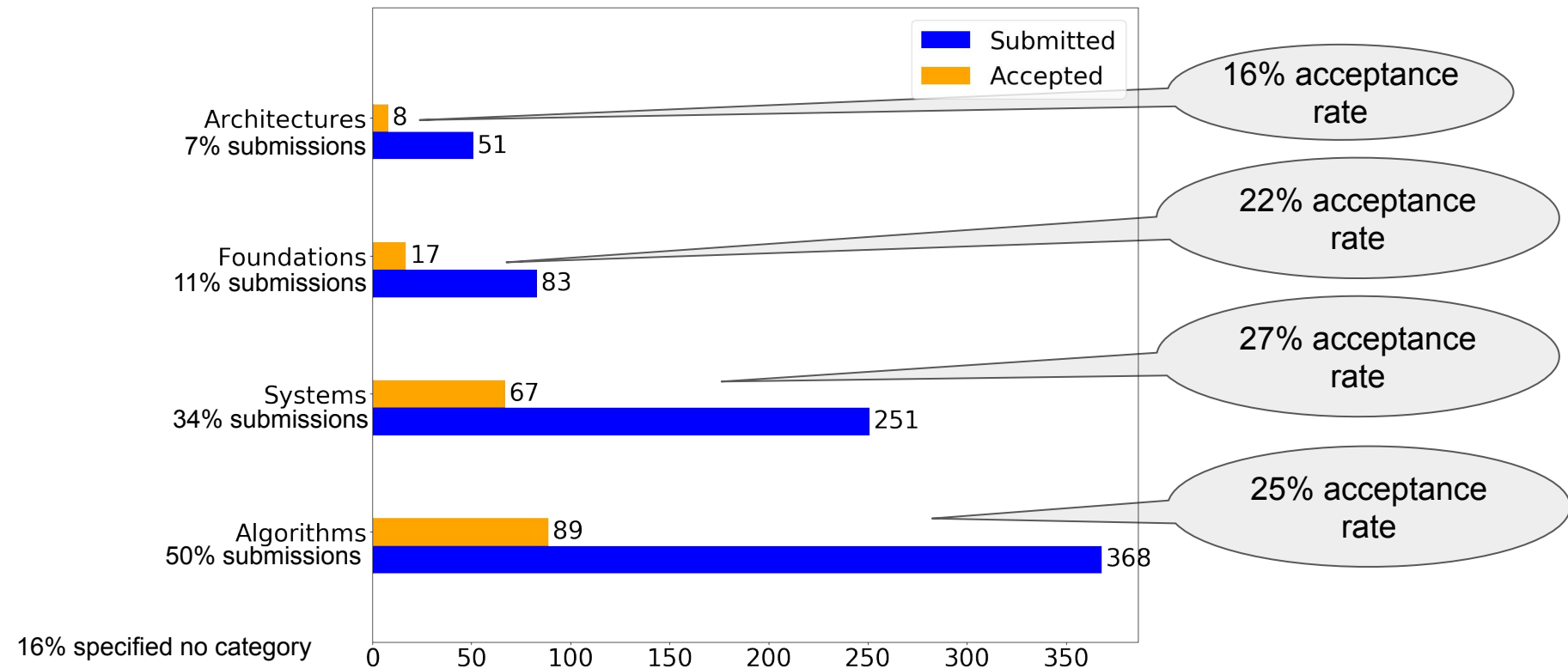
# Research Papers by Flavor (specified by author)

Looking only at papers that **specified one category** [and ignoring desk rejects]  
SELECT .... FROM ... WHERE **Flavor\_of\_Regular\_Research\_Paper** = ?



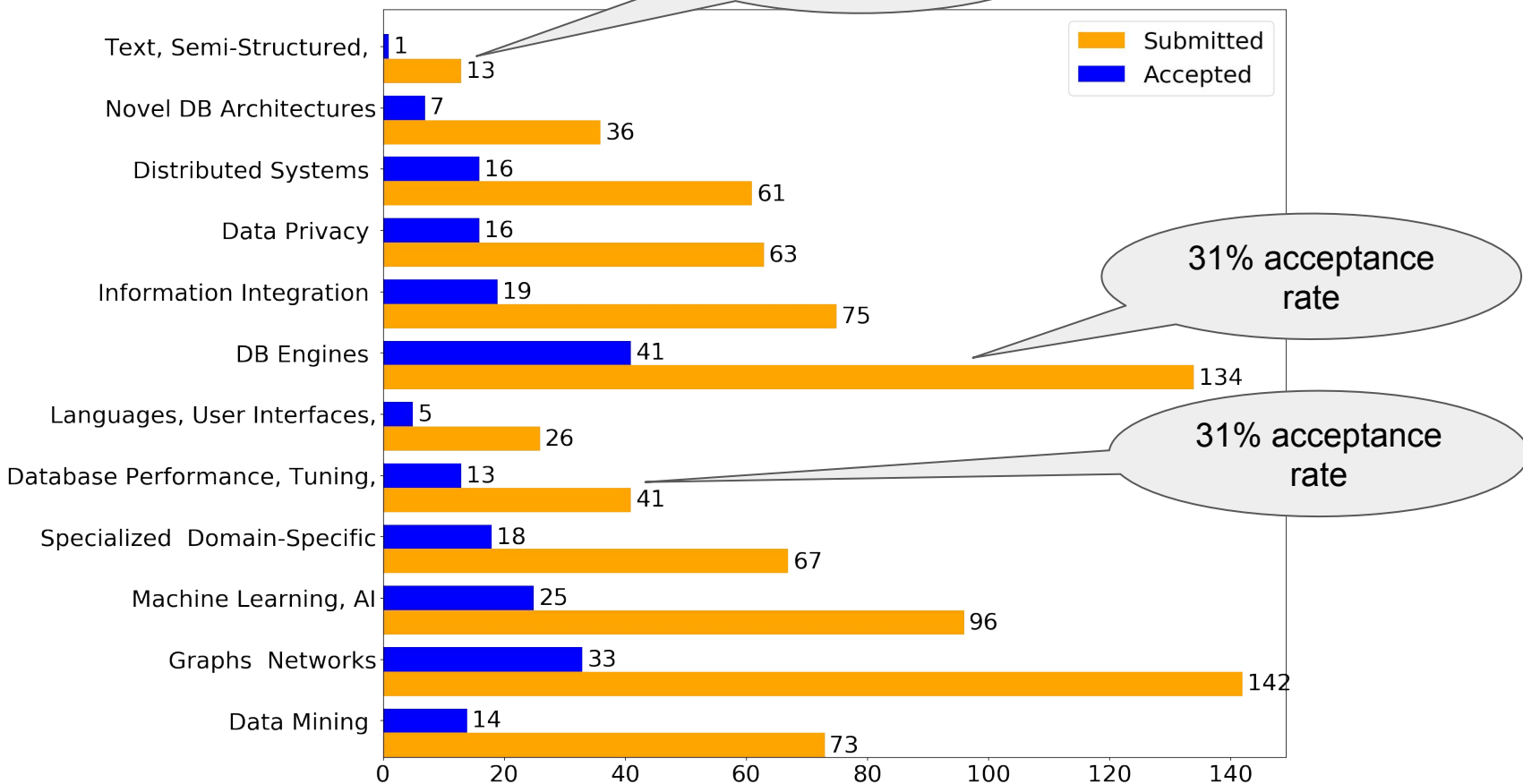
# Research Papers by Flavor (specified by author)

Looking at papers that **specified one or more category** [and ignoring desk rejects]  
SELECT .... FROM ... WHERE **Flavor\_of\_Regular\_Research\_Paper** LIKE %?%

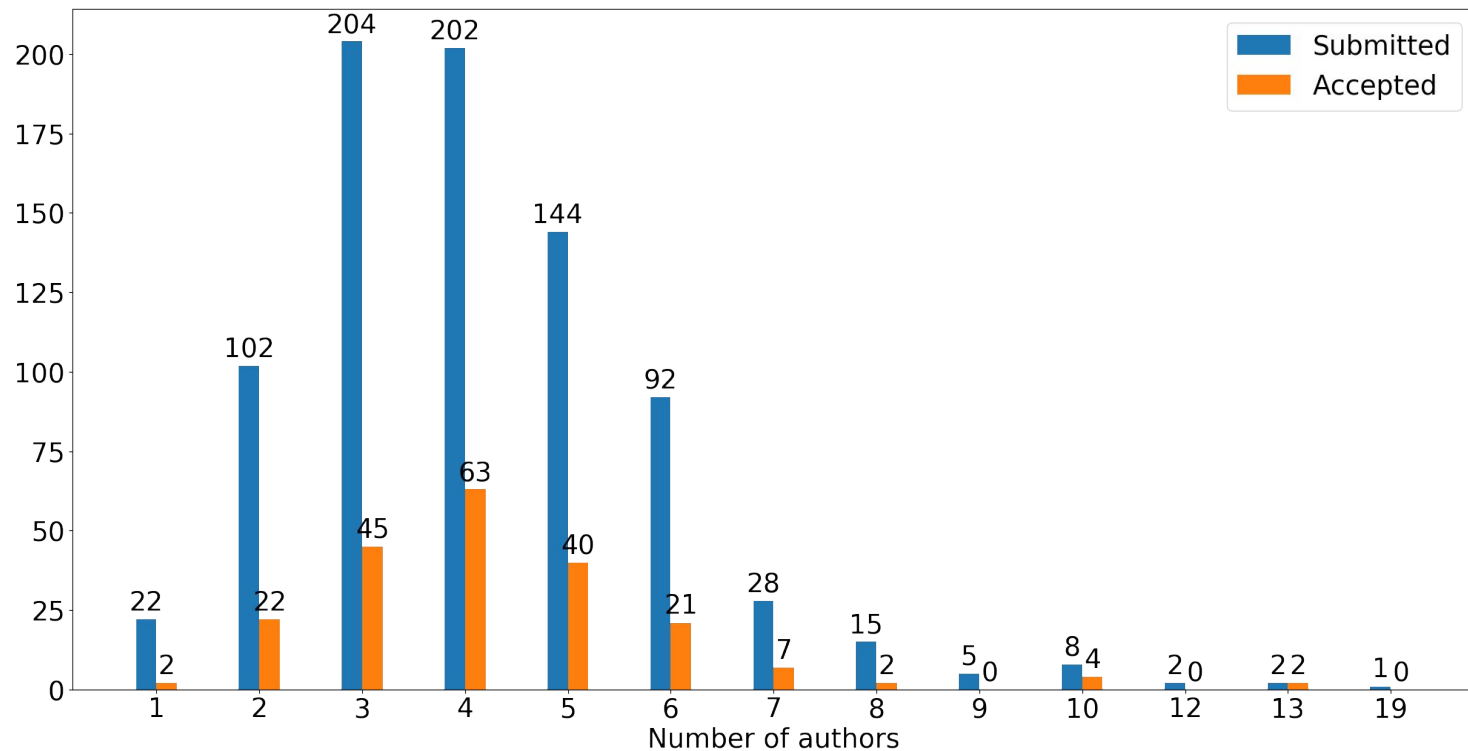




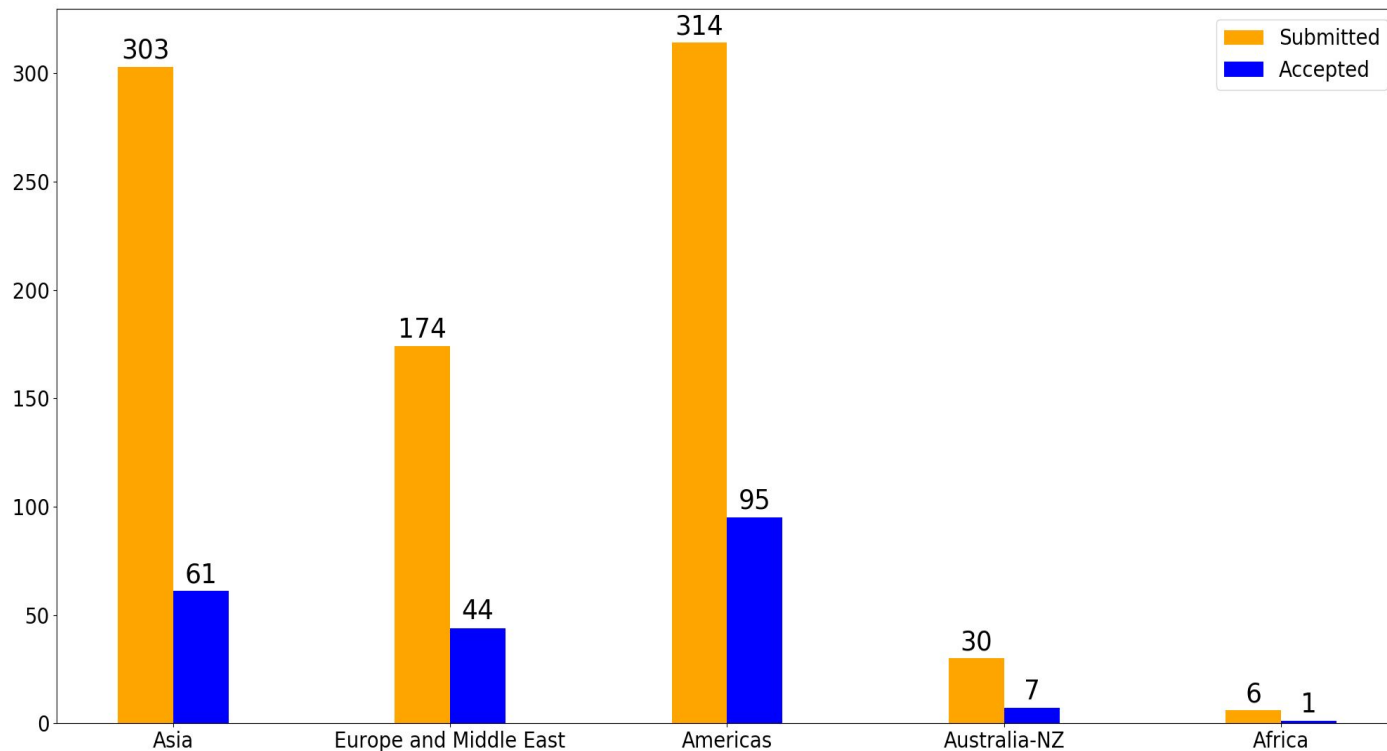
# Statistics Per Topic



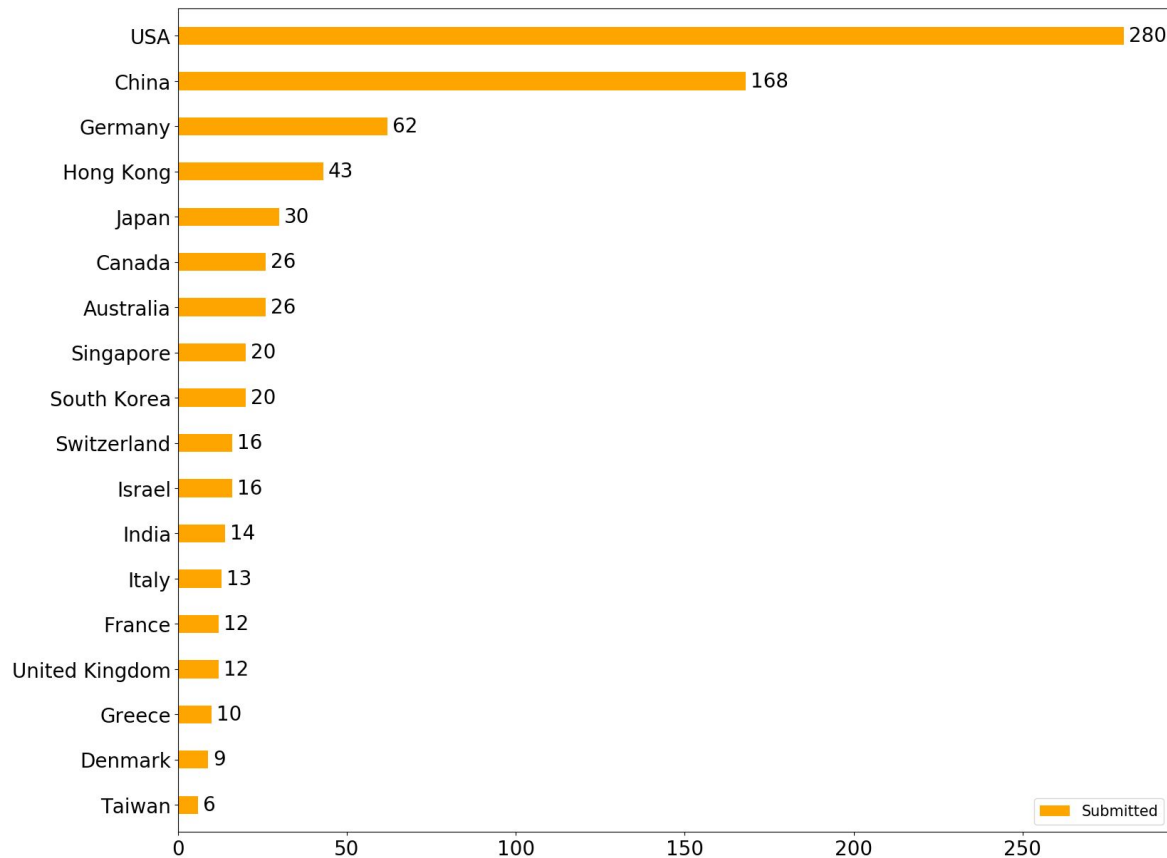
# Statistics By Author Count



# Statistics By Continent



# Submitted Papers By Country/Regions (with at least 5 submissions)



Also submissions from Brazil, New Zealand, Austria, Russia, Spain, Netherlands, Algeria, Chile, Portugal, Norway, Finland, Vietnam, Bangladesh, Qatar, Tunisia, Indonesia, Belgium, South Africa, Morocco, Tunis, UAE

# A Quick Word About the Program

# Interactive Conference Program

**Day1 Block1** [Tuesday, September 1st 2020, 1:00 am] **Start in 6 days**

Tuesday, September 1st 2020, 1:00 am [8:00 am UTC]

**01P**  
General & PC Chairs Welcome + VLDB Endowment  
60 minutes

Tuesday, September 1st 2020, 2:00 am [9:00 am UTC]

**02P**  
Keynote 1 - Dan Olteanu  
60 minutes

Tuesday, September 1st 2020, 3:00 am [10:00 am UTC]

<b>03A</b> Analytical Query Processing 1 60 minutes	<b>03B</b> Blockchain 1 60 minutes	<b>03C</b> Data Quality 1 60 minutes	<b>03D</b> Graph Algorithms 1 60 minutes	<b>03E</b> Micro-architectures & Flash Storage 60 minutes	<b>03F</b> Human in the Loop 60 minutes
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Tuesday, September 1st 2020, 4:00 am [11:00 am UTC]

<b>04A</b> Analytical Query Processing 2 60 minutes	<b>04B</b> Transaction Processing 1 60 minutes	<b>04C</b> Data Quality 2 60 minutes	<b>04D</b> Graph Algorithms 2 60 minutes	<b>04E</b> GPUs and FPGAs 60 minutes	<b>04F</b> Text & Semistructured Data 60 minutes
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Tuesday, September 1st 2020, 5:00 am [12:00 pm UTC]

<b>05Q</b> Party 1 60 minutes	<b>05J</b> Virtual Japan 60 minutes	<b>05S</b> Sponsor 1 60 minutes
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Example  
Session 03F

All times in **your** time zone

**Day1 Block1** [Tuesday, September 1st 2020, 1:00 am] **Start in 6 days**

Tuesday, September 1st 2020, 3:00 am [10:00 am UTC] 60 minutes

**[03F] Human in the Loop**

Chairs: Ilaria BARTOLINI, Mohamed Sharaf  
[Persistent Link](#)

[ICAL](#) [VIRTUAL CONFERENCE ROOM](#) [SLACK CHANNEL](#) [SUPPORT](#)

**ABSTRACT** **VIDEO [YOUTUBE]** **VIDEO [哔哩哔哩]** **DOWNLOAD PDF**

**03F-1** Continuous Prefetch for Interactive Data Applications  
[Persistent Link](#)

Haneen Mohammed (Columbia University)  
Ziyun Wei (Cornell University)  
Eugene Wu (Columbia University)\*  
Ravi Netravali (UCLA)

**ABSTRACT** **VIDEO [YOUTUBE]** **VIDEO [哔哩哔哩]** **DOWNLOAD PDF**

**03F-2** Guided Exploration of User Groups  
[Persistent Link](#)

Maria Selazonova (MPIIT)  
Behrooz Omidvar-Tehrani (Naver Labs Europe)  
Siham Amer-Yahia (CNRS)\*  
Eric Simon (SAP France)

**VIDEO [YOUTUBE]** **VIDEO [哔哩哔哩]** **DOWNLOAD PDF**

**03F-3** Progressive Indexes: Indexing for Interactive Data Analysis  
[Persistent Link](#)

Pedro Holanda (CWI)\*  
Mark Raayveldt (CWI)  
Stefan Manegold (CWI)  
Hannes Muhleisen (CWI)

Please notice the social & sponsor events

# Flat Conference Program

The screenshot displays a conference program interface. At the top, a blue header reads "Human in the Loop". Below this, two main time slots are listed: "Day1-Block1" for Tuesday, September 1st, 2020, from 3:00 to 10:00 UTC (60min), and "Day3-Block3" for Thursday, September 3rd, 2020, from 15:00 to 22:00 UTC (60min). Each time slot has a red circle around its icon and label. Below the time slots are buttons for "ICAL", "VIRTUAL CONFERENCE ROOM", "SLACK CHANNEL", and "SUPPORT". The program then lists three sessions: "03F-1 Continuous Prefetch for Interactive Data Applications" by Haneen Mohammed, Ziyun Wei, Eugene Wu, and Ravi Netravali; "03F-2 Guided Exploration of User Groups" by Mariia Seleznova, Behrooz Omidvar-Tehrani, Sihem Amer-Yahia, and Eric Simon; and "03F-3 Progressive Indexes: Indexing for Interactive Data Analysis" by Pedro Holanda, Mark Raasveldt, Stefan Manegold, and Hannes Mühleisen. Each session has buttons for "ABSTRACT", "VIDEO [YOUTUBE]", "VIDEO [哔哩哔哩]", and "DOWNLOAD PDF".

**Human in the Loop**

**[03F] Day1-Block1** Tuesday, September 1st 2020, 3:00 [10:00 UTC] 60min

**[52F] Day3-Block3** Thursday, September 3rd 2020, 15:00 [22:00 UTC] 60min

**ICAL** **VIRTUAL CONFERENCE ROOM** **SLACK CHANNEL** **SUPPORT**

**ICAL** **VIRTUAL CONFERENCE ROOM** **SLACK CHANNEL** **SUPPORT**

**03F-1 Continuous Prefetch for Interactive Data Applications**  
Haneen Mohammed (Columbia University); Ziyun Wei (Cornell University); Eugene Wu (Columbia University)\*; Ravi Netravali (UCLA)

**ABSTRACT** **VIDEO [YOUTUBE]** **VIDEO [哔哩哔哩]** **DOWNLOAD PDF**

**03F-2 Guided Exploration of User Groups**  
Mariia Seleznova (MIPT); Behrooz Omidvar-Tehrani (Naver Labs Europe); Sihem Amer-Yahia (CNRS)\*; Eric Simon (SAP France)

**ABSTRACT** **VIDEO [YOUTUBE]** **VIDEO [哔哩哔哩]** **DOWNLOAD PDF**

**03F-3 Progressive Indexes: Indexing for Interactive Data Analysis**  
Pedro Holanda (CWI)\*; Mark Raasveldt (CWI); Stefan Manegold (CWI); Hannes Mühleisen (CWI)

**VIDEO [YOUTUBE]** **VIDEO [哔哩哔哩]** **DOWNLOAD PDF**

Flat conference program shows both the primary and repeat sessions (e.g., 03F & 52F) **together**

Thanks!

Enjoy VLDB'20!!