12th TPC Technology Conference on Performance Evaluation & Benchmarking

TPCTC 2020

Raghunath Nambiar
General Chair

Welcome
Velkomin
Bienvenidos
Welkom
Benvingut
Bonvenon
Bienvéni
Velkommen
Dobrodošli
Selamat Datang
Swagata
Ongietorri
Yokôso
Tervetuloa
Vítejte
Herzlich
Willkommen
Toivottaa
Bonavinuta
Hwangyong Hamnida
Maligayang Pagdating
Dobredojde
Namaste
Heten
Mirëpres
iBiala
Hospedar
Akwaba
Goscic
Recoger
Laukiamas
Swaagat
Kaabo
Croesawu
Sambut
Acollir
Fáilte
Siyakwamukela
Swagatham
Sugeng Rawuh
Khoshumadi
Karibu
Hozta
Moguah
Woezor
Wëllkom
MirëSevini
Degemer
Mai
EKomo
Uvitani
Teretulnud
Ontvangen
Verweklom
Karibuni
Sannu da zuwa
Kalosllthate
Hoan Nghênh
Gnindi Ton Hap
добре дошъл
Muzakaza Neza
Hoan Nghênh
स्वागत

TPCTC Technology Conference on Performance Evaluation and Benchmarking

- Established in 2009, to keep pace with technological changes and to bring relevant standards to the industry
- Explore new areas, ideas and methodologies in performance evaluating and benchmarking
- Enhancements to existing TPC benchmarks inline with technology and industry trends
- Foster collaboration between industry experts and research community

TPCTC Conferences

Co-located with VLDB since 2009

Year	Location	Keynote/Invited Talk/Panel	Proceedings
2009	Lyon	Michael Stonebraker	
2010	Singapore	C Mohan	
2011	Seattle	Umeshwar Dayal	
2012	Istanbul	Michael J. Carey	
2013	Riva del Grada	Raghu Ramakrishnan	
2014	Hangzhou	Umeshwar Dayal	
2015	Kohala Coast	Jignesh Patel	
2016	New Delhi	Anastasia Ailamaki	
2017	Munich	Hans-Arno Jacobsen	
2018	Rio de Janeiro	Rajesh Bordawekar,Ajay Dholakia, Shahram Ghandeharizadeh, Gary Little, Raghunath Nambiar (Panel)	
2019	Los Angles	C. Mohan Alain Crolotte, Feifei Li, Peter Boncz ,Raghunath Nambiar, Meikel Poess (Panel)	

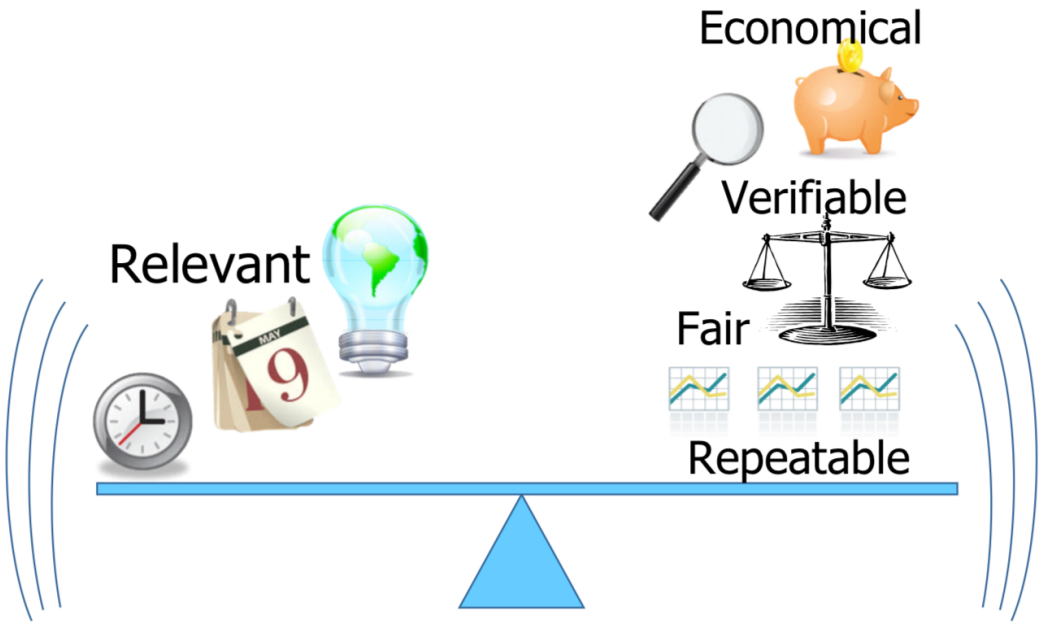
Impact of TPCTC

- Established as a leading form for performance evaluation and benchmarking
  - 12 Books in LNCS. 140 Papers
- New members joining the TPC
  - Still limited participation from academia (except through TPCTC)
- New standards
  - Database virtualization
  - Big data and analytics
  - Internet of Things
  - Hyperconverged Infrastructure
  - (Artificial Intelligence)
- Lessons learned in practice which has broad industry applicability

TPC Membership

- 20 + 4 Members
- 6 Members joined in last 5 years
- 10 Members joined in last 10 years
- 8 Members are not US based
- 2 Cloud Vendors
- Historical Consolidations
  - HPE = HP + Compaq + Tandem + Digital + EDS +- (Vertica)
  - IBM = IBM + Sequent + Red Hat
  - Dell EMC = Dell + EMC + ([VMware] + [Pivotal] + (Greenplum))

It’s hard to create a good industry standard



Those who

- Develop
- Like it (Votes to accept)
  - Business reasons
  - Technology reasons
- Dislike it (Votes to reject)
  - Business reasons
  - Technology reasons
- On the fence
- End User

Programme

The TPCTC 2020 will be virtual. Please join us at Virtual Conference Room and Slack Channel

Start Time	End Time	Paper Information
08:00 PDT	08:05 PDT	**Opening Remarks** Raghunath Nambiar.
08:05 PDT	08:30 PDT	**Towards Testing ACID Compliance in the LDBC Social Network Benchmark** Jack Waudby, Benjamin A. Steer, Karim Karimov, Jozsef Marton, Peter Boncz and Gábor Szárnyas.
08:30 PDT	08:55 PDT	**EXPOSE: Experimental Performance Evaluation of Stream Processing Engines Made Easy** Espen Volnes, Thomas Plagemann, Vera Goebel and Stein Kristiansen.
08:55 PDT	9:20 PDT	**Invited Talk: Revisiting Issues in Benchmarking Metric Selection** Chris Elford.
09:20 PDT	09:30 PDT	**Break**
09:30 PDT	10:15 PDT	**Invited Talk: Performance Evaluation for Digital Transformation** Suresh Gopalakrishnan.
10:15 PDT	10:40 PDT	**Experimental Comparison of Relational and NoSQL Document Systems: the Case of Decision Support** Tomas Llano-Rios, Khalefa Mohamed and Antonio Badia.
10:40 PDT	11:05 PDT	**A Framework for Supporting Repetition and Evaluation in the Process of Cloud-based DBMS Performance Benchmarking** Patrick Erdelt.
11:05 PDT	11:30 PDT	**Benchmarking AI Inference: Where we are in 2020** Miro Hodak, David Ellison and Ajay Dholakia.
11:30 PDT	12:00 PDT	**TPC in the Cloud Era: Challenges and Opportunities** Feifei Li.
12:00 PDT	12:30 PDT	**Invited Talk: State of the Council in 2020** Meikel Poess.
12:30 PDT	12:35 PDT	**Closing Remarks** Meikel Poess.

Acknowledgements

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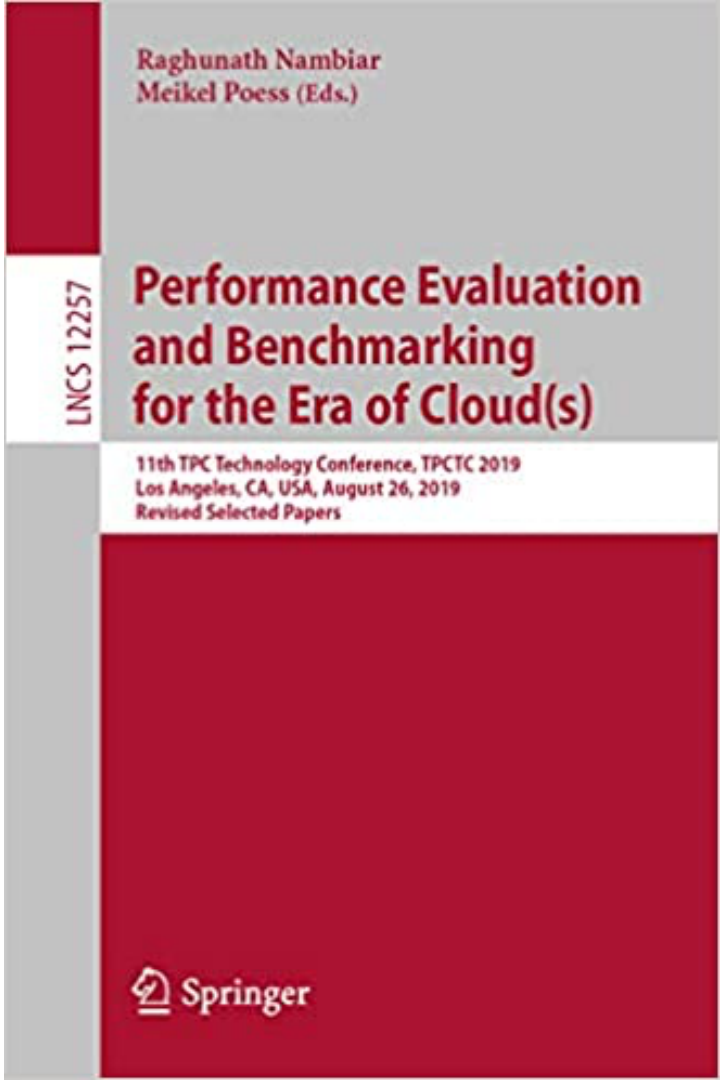
TPCTC 2019 Proceedings



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Gracias
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Merci
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