



**Submission Data for 2017 CORE conference Re-ranking process  
Innovations in Theoretical Computer Science**

Submitted by: Benjamin Rubinstein [benjamin.i.p.rubinstein@gmail.com](mailto:benjamin.i.p.rubinstein@gmail.com)

Supported by: Benjamin Rubinstein

**Conference Details**

**Conference**

Title: Innovations in Theoretical Computer Science

Acronym: ITCS

**Requested Rank**

Requested Rank: A

**Requested For Codes**

For1: 0802

For2: 080201

For3: 080401

**Recent Years**

**Most Recent Year**

Year: 2017

URL: <http://itcs-conf.org/itcs17/itcs17-info.html>

Papers submitted: None

Papers published: None

Acceptance rate: None

Source for acceptance rate:

**Program Chairs**

Name: Christos Papadimitriou

Affiliation: Berkeley

H index: 120

Google Scholar URL: <https://scholar.google.com/citations?user=rXYLXJMAAAAJ>

DBLP URL: [http://dblp2.uni-trier.de/pers/hd/p/Papadimitriou:Christos\\_H=](http://dblp2.uni-trier.de/pers/hd/p/Papadimitriou:Christos_H=)

**General Chairs**

Name: Alessandro Chiesa

Affiliation: Berkeley

H index: 15

Google Scholar URL: <https://scholar.google.com/citations?user=rW1Bio0AAAAJ&hl=en>

DBLP URL: <http://dblp2.uni-trier.de/pers/hd/c/Chiesa:Alessandro>

Name: Umesh Vazirani

Affiliation: Berkeley

H index: -1

Google Scholar URL:

DBLP URL: [http://dblp2.uni-trier.de/pers/hd/v/Vazirani:Umesh\\_V=](http://dblp2.uni-trier.de/pers/hd/v/Vazirani:Umesh_V=)

**Second Most Recent Year**

Year: 2016  
URL: <https://projects.csail.mit.edu/itcs/>  
Papers submitted: 145  
Papers published: 40  
Acceptance rate: 28  
Source for acceptance rate: <http://dl.acm.org/citation.cfm?id=2840728>

### Program Chairs

Name: Madhu Sudan Affiliation: Harvard H index: 63 Google Scholar URL: <a href="https://scholar.google.com/citations?user=D-RwB3YAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=D-RwB3YAAAAJ&amp;hl=en</a> DBLP URL: <a href="http://dblp.uni-trier.de/pers/hd/s/Sudan:Madhu">http://dblp.uni-trier.de/pers/hd/s/Sudan:Madhu</a>
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### General Chairs

Name: Shafi Goldwasser Affiliation: MIT and Weizmann H index: 44 Google Scholar URL: DBLP URL: <a href="http://dblp2.uni-trier.de/pers/hd/g/Goldwasser:Shafi">http://dblp2.uni-trier.de/pers/hd/g/Goldwasser:Shafi</a>
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### Third Most Recent Year

Year: 2015  
URL: [http://www.wisdom.weizmann.ac.il/~naor/itcs2015\\_main.html](http://www.wisdom.weizmann.ac.il/~naor/itcs2015_main.html)  
Papers submitted: 159  
Papers published: 45  
Acceptance rate: 28  
Source for acceptance rate: <http://dl.acm.org/citation.cfm?id=2688073>

### Program Chairs

Name: Tim Roughgarden Affiliation: Stanford H index: 49 Google Scholar URL: <a href="https://scholar.google.com.au/citations?user=0lcJYs8AAAAJ&amp;hl=en">https://scholar.google.com.au/citations?user=0lcJYs8AAAAJ&amp;hl=en</a> DBLP URL: <a href="http://dblp.uni-trier.de/pers/hd/r/Roughgarden:Tim">http://dblp.uni-trier.de/pers/hd/r/Roughgarden:Tim</a>
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### General Chairs

Name: Irit Dinur Affiliation: Weizmann H index: -1 Google Scholar URL: DBLP URL: <a href="http://dblp.uni-trier.de/pers/hd/d/Dinur:Irit">http://dblp.uni-trier.de/pers/hd/d/Dinur:Irit</a>
Name: Shafi Goldwasser Affiliation: Weizmann and MIT H index: 44 Google Scholar URL: DBLP URL: <a href="http://dblp.uni-trier.de/pers/hd/g/Goldwasser:Shafi">http://dblp.uni-trier.de/pers/hd/g/Goldwasser:Shafi</a>
Name: Moni Naor Affiliation: Weizmann H index: -1 Google Scholar URL: DBLP URL: <a href="http://dblp.uni-trier.de/pers/hd/n/Naor:Moni">http://dblp.uni-trier.de/pers/hd/n/Naor:Moni</a>

### External Ranks

#### Google Scholar Rank

Sub-category URL: [https://scholar.google.com.au/citations?view\\_op=top\\_venues&hl=en&vq=eng\\_theoreticalcomputerscience](https://scholar.google.com.au/citations?view_op=top_venues&hl=en&vq=eng_theoreticalcomputerscience)  
Position in sub-category: 12  
h5-index of 20th item in subcategory: 23  
h5-index of this conference: 28  
Next conference above portal link: <http://portal.core.edu.au/conf-ranks/80/>  
h5-index of above conference: 45  
Next conference below portal link: <http://portal.core.edu.au/conf-ranks/864/>  
h5-index of below conference: 28

## LiveSHINE rank

Conference not Listed

## Microsoft Academic rank

Conference not Listed

## Where others publish

## General Report

File: [http://portal.core.edu.au/core/media/conf\\_rank\\_report/tcs-general-45.txt](http://portal.core.edu.au/core/media/conf_rank_report/tcs-general-45.txt)

List of people with h-indices:

No.	Name	h index	url
1	Christos H. PAPADIMITRIOU	120	<a href="https://scholar.google.com.au/citations?user=rXYLXJMAAAAJ&amp;hl=en">https://scholar.google.com.au/citations?user=rXYLXJMAAAAJ&amp;hl=en</a>
2	Noga Alon	90	<a href="https://scholar.google.com/citations?user=v0Yl40wAAAAJ">https://scholar.google.com/citations?user=v0Yl40wAAAAJ</a>
3	Mihalis Yannakakis	89	<a href="https://scholar.google.com.au/citations?hl=en&amp;user=_pPy-pAAAAAJ&amp;view_op=list_works">https://scholar.google.com.au/citations?hl=en&amp;user=_pPy-pAAAAAJ&amp;view_op=list_works</a>
4	Bernard Chazelle	69	<a href="https://scholar.google.com.au/citations?user=C1VwgssAAAAJ&amp;hl=en">https://scholar.google.com.au/citations?user=C1VwgssAAAAJ&amp;hl=en</a>
5	Piotr Indyk	66	<a href="https://scholar.google.com.au/citations?user=o0WNksAAAAAJ&amp;hl=en">https://scholar.google.com.au/citations?user=o0WNksAAAAAJ&amp;hl=en</a>
6	Avrim Blum	65	<a href="https://scholar.google.com.au/citations?user=Jlv4MR4AAAAAJ&amp;hl=en">https://scholar.google.com.au/citations?user=Jlv4MR4AAAAAJ&amp;hl=en</a>
7	Cynthia Dwork	62	<a href="https://scholar.google.com.au/citations?user=y2H5xmKAAAAJ&amp;hl=en">https://scholar.google.com.au/citations?user=y2H5xmKAAAAJ&amp;hl=en</a>
8	Éva Tardos	62	<a href="https://scholar.google.com/citations?hl=en&amp;user=h6jljQAAAAAJ&amp;view_op=list_works">https://scholar.google.com/citations?hl=en&amp;user=h6jljQAAAAAJ&amp;view_op=list_works</a>
9	Erik D. Demaine	61	<a href="https://scholar.google.com.au/citations?hl=en&amp;user=6Ff2c8wAAAAAJ&amp;view_op=list_works">https://scholar.google.com.au/citations?hl=en&amp;user=6Ff2c8wAAAAAJ&amp;view_op=list_works</a>
10	Sanjeev Khanna	56	<a href="https://scholar.google.com.au/citations?user=HriWXC_EAAAAAJ&amp;hl=en">https://scholar.google.com.au/citations?user=HriWXC_EAAAAAJ&amp;hl=en</a>
11	Salil P. Vadhan	54	<a href="https://scholar.google.com.au/citations?user=37frPb8AAAAAJ&amp;hl=en">https://scholar.google.com.au/citations?user=37frPb8AAAAAJ&amp;hl=en</a>
12	Santosh Vempala	51	<a href="https://scholar.google.com.au/citations?hl=en&amp;user=hRggMmIAAAAAAJ&amp;view_op=list_works">https://scholar.google.com.au/citations?hl=en&amp;user=hRggMmIAAAAAAJ&amp;view_op=list_works</a>
13	Moses Charikar	50	<a href="https://scholar.google.com.au/citations?hl=en&amp;user=zX3baIkAAAAAJ&amp;view_op=list_works">https://scholar.google.com.au/citations?hl=en&amp;user=zX3baIkAAAAAJ&amp;view_op=list_works</a>
14	Daniel A. Spielman	49	<a href="https://scholar.google.com.au/citations?user=L82mYv8AAAAAJ&amp;hl=en">https://scholar.google.com.au/citations?user=L82mYv8AAAAAJ&amp;hl=en</a>
15	Tim Roughgarden	49	<a href="https://scholar.google.com.au/citations?user=0lcJYs8AAAAAJ&amp;hl=en">https://scholar.google.com.au/citations?user=0lcJYs8AAAAAJ&amp;hl=en</a>
16	Anna R. Karlin	48	<a href="https://scholar.google.com.au/citations?hl=en&amp;user=9ZGqm5QAAAAAJ&amp;view_op=list_works">https://scholar.google.com.au/citations?hl=en&amp;user=9ZGqm5QAAAAAJ&amp;view_op=list_works</a>
17	Robert Kleinberg	48	<a href="https://scholar.google.com/citations?hl=en&amp;user=zkvW8FQAAAAAJ&amp;view_op=list_works">https://scholar.google.com/citations?hl=en&amp;user=zkvW8FQAAAAAJ&amp;view_op=list_works</a>
18	Sanjeev Arora	47	<a href="https://scholar.google.com.au/citations?user=RUP4S68AAAAAJ&amp;hl=en">https://scholar.google.com.au/citations?user=RUP4S68AAAAAJ&amp;hl=en</a>
19	Luca Trevisan	47	<a href="https://scholar.google.com.au/citations?user=4yuKD_AAAAAAJ&amp;hl=en">https://scholar.google.com.au/citations?user=4yuKD_AAAAAAJ&amp;hl=en</a>
20	Lance Fortnow	45	<a href="https://scholar.google.com.au/citations?user=Yf5wVssAAAAAJ&amp;hl=en">https://scholar.google.com.au/citations?user=Yf5wVssAAAAAJ&amp;hl=en</a>

Keyword: algorithms

Reference Item:

### 4. Innovations in (Theoretical) Computer Science (ICS)

-----  
This conference was published at 36 times by 17 of 20 experts in the last 10 years.

The experts that publish at this conference are: Bernard Chazelle(2), Moses Charikar(3), Noga Alon(2), Santosh Vempala(2), Tim Roughgarden(2), Avrim Blum(4), Erik D. Demaine(1), Sanjeev Arora(1), va Tardos(2), Salil P. Vadhan(4), Sanjeev Khanna(1), Christos H. Papadimitriou(6), Anna R. Karlin(1), Lance Fortnow(1), Cynthia Dwork(2), Mihalis Yannakakis(1), Piotr Indyk(1)

In 2010, there were 9 publications by 9 experts: Bernard Chazelle, Avrim Blum, Noga Alon, Christos H. Papadimitriou, Santosh Vempala, Lance Fortnow, Cynthia Dwork, Mihalis Yannakakis, Sanjeev Arora

In 2011, there were 5 publications by 5 experts: Salil P. Vadhan, Noga Alon, Sanjeev Khanna, Piotr Indyk, va Tardos

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In 2016, there were 7 publications by 4 experts: Tim Roughgarden, Moses Charikar, Erik D. Demaine, Christos H. Papadimitriou

17 out of the 20 experts published at this conference in 1 or more years

10 out of the 20 experts published at this conference in 2 or more years

4 out of the 20 experts published at this conference in 3 or more years

## Specialised Report

File: [http://portal.core.edu.au/core/media/conf\\_rank\\_report/tcs-general-45\\_ZQDXRw5.txt](http://portal.core.edu.au/core/media/conf_rank_report/tcs-general-45_ZQDXRw5.txt)

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17	Robert Kleinberg	48	<a href="https://scholar.google.com/citations?hl=en&amp;user=zkvW8FQAAAAAJ&amp;view_op=list_works&amp;">https://scholar.google.com/citations?hl=en&amp;user=zkvW8FQAAAAAJ&amp;view_op=list_works&amp;</a>
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## Comparator Conferences

International Workshop on Approximation Algorithms for Combinatorial Optimization Problems

International Symposium on Mathematical Foundations of Computer Science

International Symposium on Algorithms and Computation

## Other Information

### Proposers

First name: Benjamin  
Last name: Rubinstein  
Affiliation: University of Melbourne  
Email: brubinstein@unimelb.edu.au

## Attachments

N/A

## Summary Argument:

Dear CORE ranking committee,

While relatively young at 8 years old, ITCS has rapidly risen to a top 5 conference in TCS in international reputation in the area. Everyone involved - from general chairs, to PC chairs, PC and authors - are regularly from the top 10 or top 5 groups in the world. TCS researchers send their best papers to ITCS (after STOC and FOCS, but potentially ahead of SODA a CORE A\* conference more focused on algorithms than ITCS). The conference has been hosted by the top groups - MIT (2x), Princeton, Berkeley (2x), Weizmann, MSR New England, Tsinghua (2x).

I draw attention to ITCS acceptance rates plus high submission numbers for TCS; its higher Scholar h-index compared to several CORE A TCS conferences; and the uniformly-high calibre of the researchers involved with ITCS relative to several other CORE A TCS conferences. The last point is backed up by the "conferences where people publish" reports which closely match the Scholar HI-based rankings placing ITCS just behind SODA.

A strong case could be made for ITCS to be ranked A\* as above, however given that it is still quite new, and unranked on CORE, it is reasonable to conclude that ITCS is the top among CORE A TCS venues.

Regards,  
Ben

## Additional Notes

\* As would be commonly known, acceptance rates for TCS are often higher than many neighbouring fields. This is a function of the size of the community and cultural norms around submission.

\* Some of the organisers for ITCS have missing Scholar pages. An example being Umesh Vazirani (Berkeley). Despite his many awards won, enormous impact on TCS, and undoubtedly high h-index (it would be close to Christos's whose bibliometrics is included), I've had to enter -1 for him and several others. I urge the committee to Google these researchers to assess their standing for themselves if at all concerned about their calibre.

\* ITCS does not appear on the Google Scholar TCS list, despite Scholar indexing it with its own page (link below). As a result, I've filled in the section on its Scholar ranking within TCS as if it were inserted first by h5 then median. Its median puts it far above the next lower (ICALP a CORE A conference). There are only three conferences above it according to scholar: FOCS, STOC, SODA (all CORE A\*). This exactly matches the "conferences where people publish" reports.

[https://scholar.google.com.au/citations?hl=en&view\\_op=list\\_hcore&venue=YFgbcWcmuG4J.2017](https://scholar.google.com.au/citations?hl=en&view_op=list_hcore&venue=YFgbcWcmuG4J.2017)