



IEEE INFOCOM 2020

TPC Informational Meeting

Paris, France
May 1, 2019

Technical Program Committee Co-Chairs

Yunhao Liu (Michigan State University)

Mehmet Can Vuran (University of Nebraska-Lincoln)

Hongyi Wu (Old Dominion University)

TPC Vice Chair for Information Systems

Dejun Yang (Colorado School of Mines)

Goals for INFOCOM 2020

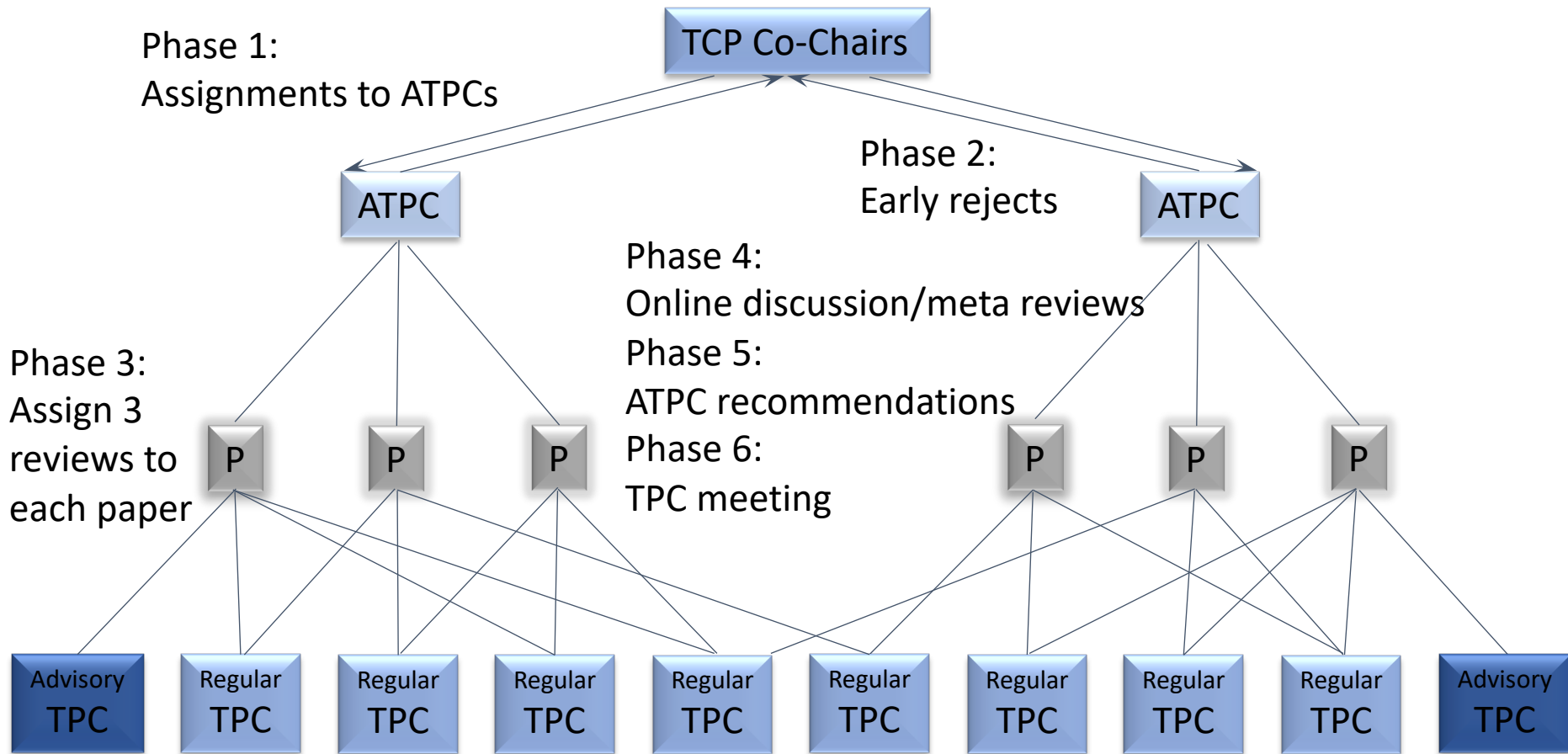
- Continue the success of previous INFOCOMs
- Our responsibility:
 - Attract high-quality submissions
 - Ensure high-quality, constructive reviews
 - Avoid debugging mode
 - Identify both positive contributions and areas for improvement
 - Implement a fair selection process
 - Following the triple-blind review policy

A strong, inclusive, and forward-looking technical program!

Outline

- Review process overview
- Specific duties
 - Area TPC chairs
 - Regular TPC members
 - Advisory TPC members
- Reviews and ranking

Review Process in a Nutshell



Technical Program Committee

	2015	2016	2017	2018	2019	2020
Area TPC Chairs	46	51	50	50	49	50
Regular TPC Members	374	554	501	422	401	~400
Advisory TPC Member	37	41	48	50	55	~50

TPC Diversity Statistics – Area Chairs

type		country/region		gender	
academia	45	USA	35	M	41
industry	4	Canada	3	F	9
government	1	France	2		
		Germany	2		
		Hong Kong	2		
		Italy	2		
		China	2		
		Spain	1		
		Taiwan	1		

TPC Diversity Statistics – Members

type		country/region				gender	
academia	393	USA	203	Finland	3	M	309
industry	29	P.R. China	59	Israel	3	F	56
government	4	Italy	27	Japan	3	unidentified	62
NGO	1	France	14	Portugal	3		
		Hong Kong	14	Sweden	3		
		Canada	12	The Netherlands	3		
		Germany	12	Australia	2		
		Spain	10	Egypt	2		
		Singapore	9	Russia	2		
		Korea	8	Turkey	2		
		United Kingdom	7	India	1		
		Taiwan	5	Qatar	1		
		Brazil	4	Ireland	1		
		Greece	4	Belgium	1		
		Austria	4	Denmark	1		
		Switzerland	4				

Workload

	2015	2016	2017	2018	2019	2020
Area TPC Chairs	~ 40	~ 35	~ 30	~ 30	~ 30	~ 30
Regular TPC Members	~ 15	~ 10	~ 8	~ 12	~ 11	~ 11
Advisory TPC Member	-	-	-	~ 5	~ 5	~5

TPC Area Chair Tasks

- Upload your signature papers (May 15)
- Paper submission deadline: Tuesday, July 31, 2019
- Oversee the review of about 30 papers (Aug.-Sept.)
- “Early reject”
 - Clearly out of scope
 - Violating the double-blind policy
- Identify low-quality reviews
 - Lacking on substance
 - Request the reviewers to revise and substantiate their reviews

TPC Area Chair Tasks

- Supervise the discussions (Oct. 1 - 21, 2019)
 - Intervene if the TPC-Lead is not effective
- Ensure meta review quality
 - Consistent with the reviews and discussions
- Assign additional reviews from advisory TPC
 - If existing reviews do not reach consensus
 - To make up missing reviews
 - Three or more reviews for each paper
- Communicate problems to the TPC co-chairs as early as possible

TPC Area Chair Tasks

- Recommendations to the TPC Co-Chairs
 - Accept, reject, discuss at the TPC meeting
- Participate in the TPC meeting
 - Lead group discussions
 - November 23 (Saturday), 2019, Orlando, USA
- Rate the reviews
- Serve as session chair

Regular TPC Member Tasks

- Upload your signature papers (May 15)
- Review about 11 papers (Due: Tuesday, October 1)
 - Cannot decline the review assignments ...
 - ... unless COI not recorded in EDAS (let us know ASAP)
- Can delegate up to 4 papers to experts
 - Not your students, please
- Serve as TPC-lead (meta reviewer)
 - About 4 papers
- Start and participate in discussion (October 1 - 21)
 - TPC-lead responsible for driving discussion
 - Fine to change your review/scores, if appropriate

Regular TPC Member Tasks

- Rate the peer reviews
- Rank your papers
- Attend the TPC meeting if not impossible
 - November 23 (Saturday), 2019, Orlando, USA

Advisory TPC Member Tasks

- Upload your signature papers (May 15)
- Will be assigned reviews during discussion phase
- Review about ≤ 5 papers
 - Cannot decline the review assignments
- Your review is critical:
 - Papers with controversial existing reviews, missing reviews
 - IEEE ComSoc requires 3 reviews for each submission
- Join the discussion after completing review
- Rate the peer reviews
- Rank your papers
- Attend the TPC meeting if possible

Important Dates

- Upload your papers: May 15
- Paper registration/submission: July 24/31
- Paper review assignments
 - To ATPC: August 7
 - Early rejects: August 14
 - Assignment to regular TPC members: August 21
- Reviews
 - Reviews due: October 1
 - Online discussion: October 1 – October 21
 - Meta-reviews due: October 22
 - ATPC recommendation due: October 29
- TPC meeting in Orlando, FL, November 23 (Saturday)
- Notification: December 14

Conflict of Interest and Triple-Blind Review Policy

- COI is taken into account in review assignments
- Author names are blind to ATPCs and TPC members
- Reviewer names are blind to authors
- Reviewer names are blind to ATPCs and peer reviewers

Review Assignments

- Upload your signature papers (Deadline: May 15)
 - Select ~ 30 papers that best represent your expertise and interest
 - Can be published at any time, but must be your own papers
 - Upload the PDF files to a server
 - Existing TPC members: time to update your files
 - Key step for high quality reviews
- Make sure your email (as in EDAS) works
 - Full mailbox? Email alias? Spam filter ...
 - Emergency contact information is strongly encouraged
- Update your COI information in EDAS

Review Assignments

- **Erie** review assignment system
 - Use **Latent Semantic Indexing** to compute the suitability score between a submitted paper and a reviewer's representative papers
 - Solve an optimization problem that maximizes the total suitability score across all submitted papers to the conference
- Fully tested at INFOCOM 2015, 2016, 2017, 2018, 2019

B. Li and Y. T. Hou. "The new automated INFOCOM review assignment system," IEEE Network, vol. 30, no. 5, pp. 18-24, September–October 2016.

Ranking Papers

Each TPC member rank his/her own batch of papers to be reviewed

Use an algorithm to convert **local** to **global** ranking

Paper #1: (3, 3, 2), ranked 136

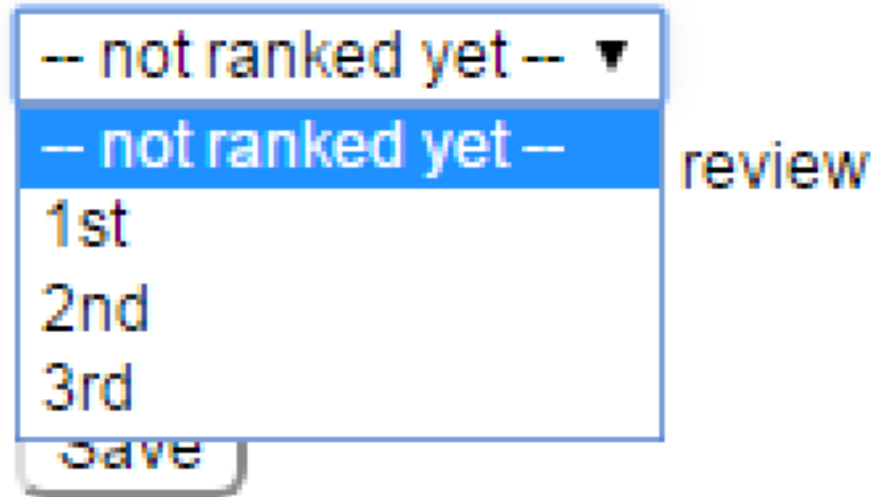
Paper #2: (3, 2, 2), ranked 457

Paper #3: (3, 3, 3), ranked 980

EDAS: ranking papers

In the paper review form, you may enter an initial rank for each paper —

**Ranking: Ranking - unique across your papers*

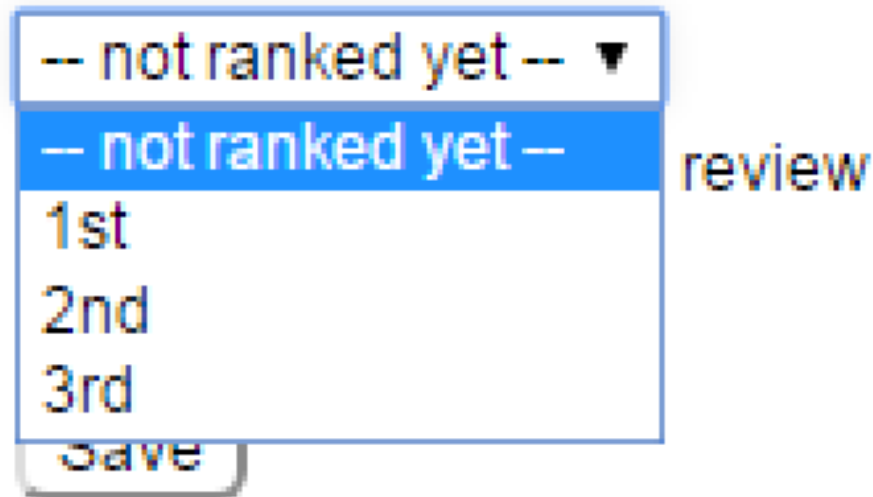


The image shows a screenshot of a web form for ranking papers. A dropdown menu is open, displaying the following options: "-- not ranked yet --", "-- not ranked yet --", "1st", "2nd", and "3rd". The second option, "-- not ranked yet --", is highlighted in blue. To the right of the dropdown, the word "review" is visible. Below the dropdown menu, there is a "Save" button.

EDAS: hidden treasure

Can you find a **double arrow** in this figure?

**Ranking: Ranking - unique across your papers* [↑](#)



A screenshot of a web interface showing a dropdown menu for ranking. The menu is open, displaying options: "-- not ranked yet --" (selected), "1st", "2nd", and "3rd". A "Save" button is visible below the menu. The word "review" is visible to the right of the menu. A double arrow is present in the selected option.

-- not ranked yet -- review

1st

2nd


3rd

Save


EDAS: ranking papers

Hidden treasure in EDAS: an easy-to-use drag-and-drop interface to adjust your own rankings of papers

Welcome to INFOCOM 2018



Rank papers



Drag the papers into ranked order, highest-ranked paper first.

↓ Testing paper - A Case for Scatter/Gather I/O

↓ Testing paper - Ludwigite: Analysis of DHCP

↓ Testing paper - STUKE: A Methodology for the Exploration of Thin Clients

High-Quality and Timely Reviews

- Critical for the success of the conference
- Please do your reviews and meet the deadline
- Review with the quality that you would like to receive for your own papers
- Be fair and open-minded
 - Papers that reflect forward thinking on emerging topics, more likely to attract audiences and citations
 - Papers that involve rigorous real-world system implementations
 - Papers that propose sound theoretical contributions with practical implication

High-Quality and Timely Reviews

- Keep your assignments/reviews confidential
- Delegate to qualified (non-student) reviewers under the following conditions
 - Done within two weeks of the review assignment
 - Personally ensure the delegated review quality
 - Timely and high-quality review
 - Present opinion of delegate reviewer if the paper is discussed at TPC meeting

Rate Reviews

- Reviews will be rated
 - Ratings by Regular/Advisory TPC members and ATPCs
- Distinguished TPC members will be recognized
 - Based on own reviews as well as delegated reviews
 - Identified on conference website

Questions?

- Contact us anytime
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