#### SPCOM TC ICASSP 2013 1/36

12:43 Minutes

12:45 Chair's report

12:53 STATOS & SPAWC 2013

12:55 SPAWC 2014

1:00 SPAWC

1:10 Elections

1.10 LICOHOTIO

1:20 Eligibility

1:25 Scope

1:44 TDF

2.03 Heviev

2:05 Close

## SPCOM TC Meeting ICASSP 2013, Vancouver

Tom Luo, Past-Chair Tim Davidson, Chair

29 March 2013

#### SPCOM TC ICASSP 2013 2/36

12:43 Minutes

12:45 Chair's

12:53 STATOS & SPAWC 2013

12:55 SPAWC 2014

1:00 SPAWC 2015

1:10 Election

1:20 Awards

1:20 Eligibility 1:25 Scope 1:30 Process

1.44 TDE

1.54 Oth

2:03 Revieu

2:05 Close

## Welcome

#### Welcome to new TC members

12:45 Chair's

12:53

STATOS & SPAWC 2013

12:55 SPAWC 2014

1:00 SPAW0 2015

1:10 Election

1:20 Awards

1:20 Eligibility 1:25 Scope 1:30 Process

1:44 TE

2:03 Review

- Min Dong, U. Ontario Institute of Technology, Canada
- Kaibin Huang, Hong Kong Polytechnic U., Hong Kong



- Syed Ali Jafar, U. California, Irvine, USA
- Joakim Jaldén, KTH, Sweden



- Michael Rabatt, McGill U., Canada
- Shengli Zhou, U. Connecticut, USA

#### SPCOM TC ICASSP 2013 4/36

## Agenda

- 12:43 Minutes
- 2:45 Chair's
- STATOS & SPAWC 2013
- 12:55 SPAW0 2014
- 1:00 SPAW0 2015
- 1:10 Election
- 4.00 A....
- 1:20 Eligibility
- 1:25 Scope 1:30 Process
- 1:44 TD
- 2:03 Review
- 2:05 Clos

2 12:45 Chair's report

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- 5 1:00 SPAWC 2015
- 6 1:10 Elections
- 7 1:20 Awards nomination process
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  - 1:30 Process for paper awards
- 8 1:44 Report from Technical Directions Board
- 9 1:54 Other business
- 10 2:03 Review of action items
- 1 2:05 Motion to bring the meeting to a close



## Outline

#### 12:43 Minutes

12:45 Chair's report

STATOS & SPAWC 201

12:55 SPAW0 2014

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#### **Minutes**

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- Minutes of 2011 meeting have been distributed
- Do we have a quorum of members who were at that meeting?
- Would anyone be prepared to move a motion to approve the minutes?
- Minutes of 2012 meeting have been distributed
- Do we have a quorum of members who were at that meeting?
- Would anyone be prepared to move a motion to approve the minutes?

#### **Minutes**

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## Outline

2 12:45 Chair's report

1:20 Eligibility

1:25 Scope of awards

1:30 Process for paper awards

12:45 Chair's report

## Highlights of Chair's report

12:43 Minute

### 12:45 Chair's report

12:53 STATOS & SPAWC 2013

12:55 SPAWC 2014

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1:10 Flections

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2:03 Review

- Propose a vote of thanks to Tom for his astute leadership of the TC over the last two years
- Propose a vote of thanks to retiring members for contributing their ideas, energy and time to the TC, most over 6 years:
  - Mats Bengtsson, Huaiyu Dai, Daniel Palomar, Hamid Sadjadpour, Akbar Sayeed and Zhengdao Wang
- Congratulations to members re-elected to a second term: Amir Leshem and Zhi (Gerry) Tian.

12:55 SPAWC 2014

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#### TC subcommittees

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1.44 TDF

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2:03 Review

- The membership of our subcommittees has not been affected by retirements
- However, we do need a volunteer for Webmaster, to take over from Zhengdao Wang

12:43 Minute:

## report

STATOS & SPAWC 2013

12:55 SPAW0 2014

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2:03 Review

- Congratulations to Shuguang (BPA) and Erik (MBCA)
- Nominations for Distinguished Lecturer (Barbarossa, Heath): Successful
- Nominations for BPA (Heath et al), YABPA (Ma et al) and MBPA (Saad et al): Not successful
- No nomination for Best Column Award
- Nomination for technical achievement (Geoffrey Li): Not successful
- No nomination for Society Award

12:43 Minute:

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2:03 Review

2:05 Class

- ICASSP 2013: Most submissions since 2006 Consistent with this being a popular ICASSP Our TC provided 11.6% of submissions
- SPAWC: More submissions than in previous two years.
   Also more accepted. Acceptance rate lower than last year
- Continued participation by TC members will be important for maintaining our level

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# Observations from State of Society

- Sigport: arxiv for SP; but there will be a small fee
- GlobalSIP: Paraphrasing—perhaps TC's might want to host their workshops within GlobalSIP.
- We are doing reasonably well in terms of affiliate members, but that will continue to need work.
   Encourage your colleagues and students to sign up.
- There are IEEE managed email lists for affiliates, and in terms of engaging our community in our activities, we will be expected to communicate some of our activities more broadly

12:43 Minutes

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12:53 STATOS & 3 12:53 STATOS & SPAWC 2013

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1:25 Scope of awards

1:30 Process for paper awards

## SPAWC 2013



## STATOS Workshop

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- ....
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- 1:25 Scope
- 1-/// TDF
- 2:03 Review
- 2:05 Close

- A workshop in memory of Alex Gershman
- Held in Darmstadt the weekend before SPAWC 2013
- Tutorial presentations from:
  - Moeness Amin
  - Sergio Barbarossa
  - Yonina Eldar
  - Geert Leus
  - Ken Ma
  - Bjorn Ottersten
  - P. P. Vaidyanathan
  - Alle-Jan van der Veer
  - Watao Yin
  - Georgios Giannakis
  - Nikos Sidiropoulos
- Details are in your inbox

## STATOS Workshop

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1:44 TD

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2:03 Review

- Darmstadt, Germany, 16–19 June
- Monday morning: Tutorials by
  - David Gesbert,
  - Mérouane Debbah and Romain Couillet,
  - Marco Luise and Giacomo Bacci
- Plenary speakers
  - Helmut Bölcskei
  - Tom Luo
  - Vincent Poor
  - Khaled Ben Letaief
  - Gerhard Fettweis

## Outline

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- 12:45 Chair's report

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#### Call for expressions of interest in hosting SPAWC 2015

- Location and timing of related conferences
  - 19 Apr 24 Apr: ICASSP 2015: Brisbane, Australia
  - 26 Apr 1 May: INFOCOM 2015, Hong Kong
  - 14 Jun 19 Jun: ISIT 2015, Hong Kong
  - VTC Spring: Glasgow, Scotland
  - ICC 2015: I have not been able to find this one.
- We had previously suggested Asia (Hong Kong, Singapore)
- Depending on ICC, Europe or North America, possibly in July, might be more strategic
- Alternative: GlobalSIP 2015

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#### 40-40 Minutes

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1:20 Award 1:20 Eligibility 1:25 Scope

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## Cap on re-election

- In response to review of TC in 2011 we introduced a cap on renewals
- In short, if M positions open, renewals limited to  $\lceil M/3 \rceil$
- If not enough "approved" candidates in place, more renewals possible
- Vote to make this change was close, 13/12/1
- This year, 6 members retiring after 2 terms; 9 coming to the end of the first.
- 15 open positions, only 5 available for renomination
- The 4 who are not re-elected could be candidates in the 2014 election
- Are we happy with this?

#### 10.40 Minute

12:45 Chair's report

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O.OO Davies

2:03 Review

2:05 Class

- In last 2 reviews we have been strongly criticized for not having industrial members
- Last year, the first two unsuccessful candidates for election were industrial members
- Should we continue to try to elect an industrial member in the regular way?
- Is it time to experiment with a quota?15 openings, at most 5 renewals?
- With that big election, can we just "hope" again this year

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## New eligibility rules

12:43 Minutes

report

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We are not allowed to nominate our own. What to do?

 a. Do not consider any TC member, or any paper written by a TC member

b. Keep our processes essentially the same.

- The eligible candidate with the highest ranking becomes the TC's nominee.
- For any ineligible candidates with higher scores, a subset of the TC, excluding Awards subcommittee nominates the candidate through the "public" track

Do you have a preference?

## New eligibility rules

12.40 Williato

report

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12:55 SPAW0 2014

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2:05 Close

### Career awards

 Current: Society, Technical Achievement, Meritorious Service, Education

New: Fourier (IEEE level)

### Paper awards

Current: BPA, YABPA, MPBA, Magazine Best Column

Ought to be doing: Marconi award for TWC

New: Best paper in SPL

Do our our current methods scale to this level?

If not, what process should we use?

report

STATOS & SPAWC 2010

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2.05 Clase

### Career awards

 Current: Society, Technical Achievement, Meritorious Service, Education

New: Fourier (IEEE level)

### Paper awards

Current: BPA, YABPA, MPBA, Magazine Best Column

Ought to be doing: Marconi award for TWC

New: Best paper in SPL

Do our our current methods scale to this level?

If not, what process should we use?

STATOS & SPAWC 201:

12:55 SPAW0 2014

1:00 SPAWC 2015

1:10 Elections

1:20 Eligibility

1:25 Scope 1:30 Process

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2:03 Review

2:05 Close

### Career awards

- Current: Society, Technical Achievement, Meritorious Service, Education
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12:45 Chair's report

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2:05 Close

### Process — Constructing slate

- Nomination, by anyone (TC members encouraged)
- Renomination based on significant support
- Scan review of previous year's papers, plus "highly cited" eligible papers
- Scan review developed by Nikos to broaden the pool of considered papers
- Citation analysis: idea arose at ICASSP 2009; being adopted by other TCs
- Statistics for last year:

Number of papers	Number needing reviews
4	
4	

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12:45 Chair's report

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- Citation analysis: idea arose at ICASSP 2009; being adopted by other TCs
- Statistics for last year:

Method	Number of papers	Number needing reviews
Nominations	7	6
Significant support last time	4	0
From scan review of 2011 papers	23	23
From citations, renominated	4	0
From citations, via scan	6	6

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2:03 Ravio

2:05 Close

- is the most recent year the right year to scan?
- scan the X most cited SPCOM papers in the eligibility window;
  - X=300 would give same workload as this year.
  - in subsequent years there may be some re-scanning
  - implicitly uses citations as a proxy for quality
- "Conference model" suggested by Sergiy
- Any other suggestions to ensure broad slate?
- Would we want to try one of the alternate models for Marconi or SPL?

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- Current process is multiple rounds of first past the post;
  - 3 equally weighted votes in first round;
  - one in the second;
  - one in consensus round
- Many other voting systems exist.
- There is a mathematical theory to evaluate the performance of voting systems
- Kemeny-Young system widely recognized as good
  - Only requires one round of preferential voting with predefined maximum number of choices (e.g., vote for your top 3 and rank them in preference order)
  - Computational sorting algorithm (not plyn time)
  - If there is a choice that wins all pairwise contests, then this choice wins
  - Also has a maximum likelihood interpretation
- What kind of system would you prefer (all are fallible)
- Are there other decision methods that we might consider



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### Outline

- 1:44 TDB

- - 1:20 Eligibility
  - 1:25 Scope of awards
  - 1:30 Process for paper awards
- 8 1:44 Report from Technical Directions Board



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report

12:53 STATOS & SPAWC 2013

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## Report from TD Board

 Do we want a rep. from Society on IEEE Standards Board?

Do we want a Standards Committee within the Society

- Awards process (topic of extensive discussion)
  - TDB looking to have uniform processes across TCs
  - avoiding perceptions of conflict of interest is set in stone
  - process for handling "public" nominations is "evolving"
- GlobalSIP
  - Symposium based
  - Again TC's encouraged to think about putting workshops there. Reduced work load, possibly less community building
- TCs will be expected to be doing some community building, mentorship; we will have to report activities
- SP Competitions: "grand challenges"



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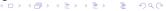
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- 2 12:45 Chair's report
- 3 12:53 STATOS & SPAWC 2013
- 4 12:55 SPAWC 2014
- 5 1:00 SPAWC 2015
- 6 1:10 Elections
- 1:20 Awards nomination process
  - 1:20 Eligibility
  - 1:25 Scope of awards
  - 1:30 Process for paper awards
- 8 1:44 Report from Technical Directions Board
- 9 1:54 Other business
- 10 2:03 Review of action items
- 1 2:05 Motion to bring the meeting to a close

- 12:45 Chair's
- report 12:53
- SPAWC 2013
- 1:00 SPAWC
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### Other business

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12:53 STATOS & SPAWC 2013

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### Review of action items

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12:53 STATOS & SPAWC 2010

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1:10 Election

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1:20 Eligibility 1:25 Scope 1:30 Process

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2:03 Review

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STATOS & SPAWC 2013

1:00 SPAWC

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12:53

STATOS & SPAWC 201

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# Looking forward to seeing you in Darmstadt and Florence