

IEEE Signal Processing Society
Sensor Array and Multichannel (SAM) Technical Committee
Minutes of the ICASSP'10 Meeting
Dallas, Texas; Thursday, 18 March 2010; 12:00-13:30, Location: Majestic #6

Present TC members: Bell (chair), Viberg (vice-chair), Besson, Chen, Dogandzic, Ho, Hua, Koivunen, Larsson, Rao, Sadler, Shahbazpanahi, Swami, Swindlehurst, Tabrikian, Willett, Zoubir
Present associate members: Doug Couchran, Martin Haardt
Other guests: Yonina Eldar (CAMSAP 09), Geert Leeus and Anna Scaglione (CAMSAP 2011)

§1. New TC members were welcomed with a short introduction.

§2. Report from the Chair:

- 2.1. Results of 2009 SAM TC Review by SPS – A few issues were raised concerning overlap with other TCs and outreach to industrial members. This has been taken into account in the new subcommittees.
- 2.2. Impact of new SPS Policies & Procedure – The implications for SAM is minor. The new policy is largely similar to our old. A few issues:
 - 2.2.1. TC size – We are allowed to go up in numbers. Three new members were elected in 2010. We are aiming at 30 + 3 members + current/vice/past chair.
 - 2.2.2. Committees – SAM TC will use subcommittees to a greater extent as of 2010. The TC members have already been assigned duties.
 - 2.2.3. Associate/Affiliate Members – This helps reducing the ICASSP reviewing load. “Affiliate” is a new member category. Anyone can sign up for this – not many did so far. This is mostly for information, but the can also nominate members etc.
- 2.3. Awards, Distinguished Lecturers, Fellow: The Chair informed about the new recipients on awards, DL and Fellows from SAM. The result is a great improvement compared to last year.

§3. Workshops:

- 3.1. CAMSAP 09: Eldar informed about the CAMSAP workshop, which was very successful. The report is attached.
- 3.2. CAMSAP 2011: The SAM TC has received two proposals to host the CAMSAP 2011 workshop. The two were presented at the meeting in a random order. Both proposals have been circulated to the TC members.
 - 3.2.1. CAMSAP 2011 proposal in Cartagena, Columbia. Chairs: Xiaoli Ma and Geert Leeus. Presented by Leeus and Anna Scaglione.
 - 3.2.2. CAMSAP 2011 proposal in San Juan, Puerto Rico (US). Chairs: Aleksandar Dogandzic and Maria Sabrina Greco. Presented by Dogandzic.
 - 3.2.3. Discussion (persons involved in either of the proposal left the room)
 - Cartagena: General pricing low. Good support from local arrangers. Safety (as in any larger US city according to Trip Advisor), Visa requirements (to be checked).
 - San Juan: Fees similar to Cartagena (550 USD), slightly higher hotel price (cheaper hotels available). No local people currently involved.
 - Both teams highly competent. Similar and good proposals. Selection based mostly on location.

- 3.3. SAM 2010: Joseph Tabrikian gave a short update on the progress of the SAM 2010 workshop, which will be in Israel. The report is attached. All is according to plans.

§4 Discussion topics

- 4.1. Awards process: Dominic Ho lead a discussion regarding the procedure for nominating paper awards. One weakness of the current system is that the nomination will come from a subcommittee, rather than from an individual. There is a need to go back in time and exploiting the 5 year time window in a more systematic way. J Sel Topics should be included (and is). SPL is eligible, but not systematically reviewed. Besides our subcommittees, any individual can nominate a paper to the chair of the Awards subcommittee (currently D. Ho) at any time. Plan to start early this year (mid May). There was some discussion regarding the use of citation statistics as “filters” to reduce the load of finding award candidates. An alternative is a “full search” with a YES/NO result. But we should keep in mind that the Awards Board is highly likely to use citation statistics. It would be useful to use a “discussion board” where people can post messages to continue this discussion and have all things stored.
- 4.2. Dominic Ho reported from the Education TC regarding Tutorial Material. This should be “good examples” of outreach activities that can be spread within the SPS. The SAM TC members could help in producing such material. The issue will be handled by the chair of the Education subcommittee (Maria Sabrina Greco).

§5. Next TC meeting will be held during the SAM Workshop in Israel.

§6. The meeting was adjourned. The remaining agenda issues were postponed to email discussion.

Final Report of CAMSAP 2009

The Third International Workshop on Computational Advances in Multi-Sensor
Adaptive Processing

December 13-16, 2009
Aruba

The present report contains information on the decisions made during the organization of the workshop CAMSAP 2009, as well as recommendations for future editions.

The Organizing Committee

The choice of the organizing committee is probably the single most important thing in the whole process. The two general co-chairs Yonina Eldar and Daniel Palomar tried to put together a team of people from different areas, different countries, all of them very reliable (each of the members was known by either one of the general co-chairs). The final committee is as follows:

General Co-Chairs

Yonina C. Eldar, The Technion, Israel (<http://www.ee.technion.ac.il/Sites/People/YoninaEldar/>)
Daniel P. Palomar, HKUST, Hong Kong (<http://www.ece.ust.hk/~palomar/>)

Technical Program Co-Chairs

Arie Yeredor, Tel-Aviv Univ., Israel (<http://www.eng.tau.ac.il/~arie/>)
Petar M. Djuric, Stony Brook Univ., NY, USA (<http://www.ece.sunysb.edu/~djuric/>)

Local Arrangements Co-Chairs

Robert Heath, University of Texas at Austin, TX, USA (<http://users.ece.utexas.edu/~rheath/>)
Angel Lozano, Universitat Pompeu Fabra, Barcelona, Spain (<http://www.dtic.upf.edu/~alozano/>)

Finance Chair

Xiaoli Ma, Georgia Institute of Technology, GA, USA (<http://users.ece.gatech.edu/~xiaoli/>)

Publicity-Publications Chair

Maria Sabrina

Technical Program Committee

Yuri Abramovich (DSTO, Australia)
Chong-Yung Chi (NTHU, Taiwan)
Tim Davidson (McMaster, Canada)
Alex Gershman (TU Darmstadt, Germany)
Fulvio Gini (University of Pisa, Italy)
Simon Godsill (Cambridge, UK)
Jian Li (University of Florida, Gainesville, USA)
Zhi-Quan (Tom) Luo (Univeristy of Minnesota, USA)

Anna Scaglione (UC Davis, USA)
Dan Schonfeld (University of Illinois, Chicago, USA)
Yuriy Shkvarko (CINSESTAV, Mexico)
Nikos Sidiropoulos (TU Crete, Greece)
Ananthram Swami (ARL, USA)
Jean-Yves Tournet (University of Toulouse, France)
Mats Viberg (Chalmers, Sweden)
Sergiy Vorobyov (University of Alberta, Canada)
Zhengyuan (Daniel) Xu (UCR, USA)
Abdelhak Zoubir (TU Darmstadt, Germany)
Brian Sadler (Army Research Labs, USA)
Lieven De Lathauwer (KU Leuven)
Remi Gribonval (INRIA, France)

The Location

The location of the workshop is also one of the critical decisions of the organization process. In our case, this decision was made in collaboration with the two local co-chairs Robert Heath and Angel Lozano who compiled information on potential locations in several islands in the Caribbean. Aruba was finally chosen (<http://www.aruba.com/>) based on reasonable flight costs from the US and Europe, availability of a property with large enough capacity, quality of resort, cost, working language, amenities offered to the attendees, and a good selection of top end hotels. The conference was held at the Radisson, Aruba: <http://www.radisson.com/aruba>.

CAMSAP has always taken place in locations close to the equator since it is held 1-2 weeks before Christmas and good weather is desirable. One of the characteristics of CAMSAP is that it is a small workshop where attendees can relax and interact with each other. For these reasons, the locations are always in areas free of stress and a bit laid back, like the Caribbean. We believe this trend should continue in the future and care should be taken not to let this workshop to grow too much at the risk of losing its particular charm of relaxed interactions among the attendees.

Report and Recommendations by Local Co-Chairs

The conference was held at the Radisson, Aruba, on December 13-16, 2009. The location of Aruba was chosen after an investigation of several islands in the Caribbean. The criteria used to evaluate a location were estimated flight cost from the US and Europe to the island, availability of a property with large enough capacity, quality of the resort, cost, working language, and amenities offered to the attendees (beach location, pool, etc). Aruba was found to offer very reasonable flights and had a good selection of top end hotels. An additional upside of Aruba over other locations was that its currency is tied to the dollar, thereby protecting the budget. Had it been tied to the Euro, for example, we could have been exposed to very high costs for American attendees. Being tied to the dollar, the only possibility was a very low cost for Europeans, which to some extent was the case. In the process of our search we identified several other promising locations including: St. Maarten and Barbados. Note that the Radisson in St. Maarten would consider giving us a similar contract.

Room rates of \$169 per night were negotiated (Partial ocean view room \$26 per night additional, Deluxe ocean view room \$65 per night additional, Plaza Club partial ocean view \$91

per night additional, Plaza Club deluxe ocean view \$130 per night additional). The tiered room pricing was chosen to allow attendees to upgrade their rooms with reasonable cost. Because the base rate was very competitive (not possible to beat it online except through travel consolidators), at least 85% of attendees stayed at the conference hotel thus we met our room requirements. The best rates were obtained by obtaining quotes from different hotels followed by several rounds of negotiation to convergence.

The timing of the conference was chosen to be as late as possible in the quarter / semester to allow people the maximum flexibility in attending the entire workshop and staying for additional time. The week before Christmas is generally considered low (or lower) season thus prices are quite reasonable. Holding the conference earlier will conflict with other conferences (GLOBECOM for example) or will bump into Thanksgiving, which makes flights expensive to and from the US.

The registration fee included a reception Sunday night with open bar, breakfast Monday-Wednesday, boxed lunch Monday-Wednesday, breaks Monday and Tuesday afternoon, and plated banquet with DJ and open bar Tuesday evening. A variety of food options were available to accommodate different dietary preferences.

A scuba diving social program was organized Sunday morning, the day the conference started. Both experienced divers and new divers (those taking the resort course) were invited. A total of fifteen divers registered. Experienced divers were put together on a boat for one dive and then were joined by the resort course divers. The diving program was a big success and much discussed at the conference.

Recommendations:

1. The open bar during the reception and banquet was highly appreciated by attendees and did not add significant cost. Our specific choice of bar was “hosted” where we paid for the actual drinks consumed. This ended up being much less than the hourly, unlimited consumption bar. Costs were quite reasonable. The open bar at reception and banquet should continue in the future.
2. A DJ and dance floor was available during and after the banquet. Several other entertainment options were available - the DJ was very economical. It was so popular that the time for the DJ was extended twice (the resort was kind enough to allow us to extend the time of the DJ). This was generally perceived as a success and should continue in the future.
3. A plated dinner option was chosen for the banquet. Because fresh food is flown in to Aruba, we had to provide approximate meal choices ahead of time and ensure that everyone sticks with the meal they chose ahead of time. Everyone’s badges were marked with their meal choice during registration using different colored markers. We also had to estimate the total number of attendees ahead of time to determine the number of tables and seats. We allowed several extra seats and meals to account for any issues. Nonetheless there were several logistical problems associated with the banquet:
 - About half of people who registered in advance did not select a meal in advance. Thus we had to ask their meal choice during registration, which slowed down the registration. A solution to this problem is to use different registration software to EDAS (IEEE is typically more clear) or to choose a buffet where meal choices are not required ahead of

time. The food quality is lower with a buffet. Other resorts may not require meals chosen ahead of time.

- Many students thought they had registered for the banquet. The EDAS registration form allowed them to select a meal even though they were not registered for the banquet. A solution to this problem is to (a) include banquet with the students or (b) modify the registration form to make it absolutely clear that they did not get the banquet.
- Some students had actually bought an extra banquet ticket. For the most part these students did *not* inform the local chairs when they registered and thus were not counted. The solution to this problem is the same as above.
- Many people brought their spouses or children without buying extra banquet tickets. In some cases, attendees tried to leverage their “buddies” on the committee to allow them to attend for free. In other cases, attendees just expected it would be free. This was a significant source of stress as it created a requirement for additional seating and meals not to mention substantial cost (last minute meal prices are higher). It is also not fair to the people that paid for their spousal registration. One solution to this problem is as follows: include a free guest banquet ticket in the registration but give people the option of “subtracting” the banquet in their registration. Thus it is automatically included unless someone specifically says “no extra ticket”. A warning would also be included that spouses, guests, and children will not be accommodated for free. This will force people to think more carefully about this decision. Another solution is just to include one spousal registration for free period.
- A few people registered onsite and attended the banquet, creating another source of additional seats. On-site registration is very difficult to accommodate since we just ask them to log in to EDAS. There should be an additional fee for on-site registration, say another \$100 to offset this and encourage people to register ahead of time, even if a few days in advance will help the logistics tremendously.

Despite some of the challenges above in accommodating additional people, the banquet overall was very well received with high quality food, drinks, and dancing. Such events should be continued in future CAMSAPs, with attention paid to the issues raised above.

4. The breaks in the technical program were shorter than the breaks offered by the hotel. The program breaks and the hotel breaks should be aligned. For example, if the hotel offers a 30 minute coffee break (we pay for 30 minutes), it would make sense to have a 30 minute break. In general, 30 minute breaks between sessions should be targeted to allow for sessions ending late and to provide some networking opportunities.
5. Boxed lunches were provided Monday, Tuesday, and Wednesday. If the Wednesday program is only a half day, then the lunch could be skipped on Wednesday. It is important to provide some kind of lunch in the Caribbean environment because the restaurants are not equipped to serve 100+ people who enter all at once. Things are a little more laid back. Unless the property is close to many outside restaurants, some form of lunch should be provided. Each day there were some vegetarian lunch boxes and some non-vegetarian (beef or ham or fish). Box lunches or similar should be provided at future CAMSAPs.
6. The local chairs and others took photos during the event. The public photos are posted at:

<http://picasaweb.google.com/camsap2009/PhotosFromCAMSAP2009#>

We intend to post the link to the photos on the conference web page. More photos should be taken during the event and posted for all attendees (maybe recruit someone with a good flash on their camera).

7. The Radisson did not implement the tiered room selection very effectively. People had to register at the lowest rate then call or send an email to get the better rate. The procedure was not explained clearly to the local chairs and thus this information was not made clear to attendees. More information about how to book the hotel room should be provided on the web page in advance. As an aside, all should try out the process ahead of time.
8. To get the best deal on a hotel, you have to use offers from multiple similar properties to get the best deal. Try to get offers from at least three different properties and bid them against each other. Once the room rates come down, the hotels will offer other amenities like free reception (we got one hour free for example) or free breaks or other discounts. The hotels also will offer complimentary upgrades and free rooms. The organizing committee should decide in advance how to allocate these upgrades.
9. To reduce costs, one of the local co-chairs brought a projector. This saved several hundred dollars. Check if the hotel will let you bring a projector – it can save a lot of money.
10. A couple presentations at the conference required playing multimedia from a laptop. This requires an appropriate jack to feed into the A/V system. Be sure to request this option.
11. Be sure to check that free WiFi is included in the conference area (if you want it) and that there is power available. Some hotels charge a fortune for WiFi or extra power plugs.
12. Be mindful of the hotel's payment schedule. Be sure to have payments to the hotel on time to avoid potential cancellations.

Report and Recommendations by Technical Co-Chairs

We received 126 valid submissions of which 103 were accepted and 23 were rejected. Of the 103 papers that were accepted, 75 were invited. Thus, of the 51 non-invited papers almost half were rejected. There were 12 papers withdrawn for various reasons.

All the papers received at least two reviews. The reviews were conducted by the Technical Program Committee (composed by the Technical Co-chairs) and by the authors/coauthors of the invited participants. There were 6 plenary talks, 12 invited and 5 regular sessions. The technical program started on Monday morning and was completed on Wednesday afternoon. All the papers were presented orally. There were always two sessions running in parallel. In scheduling the sessions, we made an effort to avoid thematic conflicts.

Recommendations:

1. CAMSAP is a SAM owned workshop and all the members of the SAM committee should by default be available for reviewing CAMSAP submitted papers.
2. For paper handling and reviewing we used the EDAS system. As Technical Co-chairs we had a standard load of work (similar to the one of chairs of technical committees for ICASSP papers). However, once the reviewing was completed, there was an intensive wave of emailing with participants who had various requests and questions. This may not be an

issue for the next CAMSAP because SPS is moving towards a solution that would protect volunteers from this type of activity. In case the system is not in place by the next CAMSAP, the organizers may want to seek a round-the-clock help from the vendor for a limited period of time (about two months).

3. Some participants found the program too loaded. It was felt that in the future there should be fewer invited sessions (possibly with fewer papers in each session). The participants could then get longer breaks and one afternoon free (Wednesday afternoon in previous CAMSAPs).
4. In all CAMSAPs all the papers have been presented orally. The team of the next CAMSAP might explore the possibility of organizing the program (at least partially) around poster sessions. That would allow the participants plenty of time to enjoy the good weather, the beaches and the sea. For instance, two plenary sessions can be scheduled in the morning (e.g. from 9-11 AM), and the poster sessions in the evening (e.g. from 7:30-10 PM).
5. In one case, a participant in one of the invited sessions, who could not attend the workshop, sent a video-presentation of his paper. The presentation was played during his designated timeslot, and the reaction of the audience was quite positive. In cases of absences, we would like to encourage this solution. In our opinion it is much better than the alternatives of leaving empty slots or shifting the program.

Report and Recommendations by Publicity Chair

The Publication/Publicity Chair was responsible for:

1. the preparation of the booklet related to the conference program and book of abstracts;
2. the set-up and maintenance of the CAMSAP09 website
3. production of the workshop CD
4. publicity of the event
5. workshop registrations

Booklet. The booklet of the conference consists of about 80 pages providing the main information concerning the workshop and a detailed description of the technical program. The booklet contains also all the abstracts of the presented papers, an author index listing in alphabetical order the family names and the affiliation of all the authors of the papers along with the page number(s) of their paper(s). The final printing of 115 copies of the booklet was arranged through DGMP, Pisa, Italy.

Website. The URL of the website is www.conference.iet.unipi.it/CAMSAP09. It contains information on the organizing committee, the venue, the social and technical programs, the workshop registration and paper submissions.

Master CD. The production of the master CD ROM was a smooth process. We provided EDAS of the entire front matter material such as the organizing committee, the welcome address, etc. and they produced the final CD that can be opened by all the browsers such Explorer, Netscape and Mozilla.

For the CD we asked authors to submit their camera-ready papers in an IEEE compliant pdf format by using the IEEE PDF eXpress service.

Producing HTML files for the conference CD-ROM master through EDAS costs \$1 for each accepted paper and includes:

1. Auto-startup mechanism, so that the menu appears automatically when inserting the CD-ROM (Windows only),
2. Alphabetical paper title list
3. Alphabetical author list
4. Full-text word indexing of all PDF papers

We asked the authors also to fill and sign the IEEE copyright form before including their papers in the Proceedings CD.

The numbers of the CD are: IEEE Catalog No: CFP09CAA-CDR, ISBN: 978-1-4244-5180-7, and Library of Congress code: 2009934334.

The final printing of 120 copies of the CDs was arranged through EDAS.

Publicity. Leaflets of the workshop were circulated to several conferences, including ICASSP 2009 in Taipei, Radar Conference 2009 in Bordeaux and COGIS 09 in Paris. The Call for Paper was also advertised on

- o EURASIP News letter
- o IEEE Signal Processing Magazine

Moreover, the workshop was also advertised by IEEE

Registration. The registration numbers are reported in the following Table.

Code	Description (People registered)	For	Cost	Paid
BT	Extra banquet ticket		USD 50.00	14
CD	Extra CD-ROM of Proceedings		USD 25.00	2
R1	Student IEEE Member	early	USD 285.00	16
R1	Student IEEE Member		USD 342.00	2
R2	Student non-member	early	USD 427.50	6
R2	Student non-member		USD 513.00	2
R3	Full IEEE member		USD 570.00	6
R3	Full IEEE member	early	USD 475.00	57
R4	Full Non member		USD 826.50	2
R4	Full Non member	early	USD 665.00	9
CR	Complimentary registrations			13
Total				113

We had 26 student registrations, 72 regular registrations and 13 complimentary for a total of 113 attendees. We offered a complimentary registration to the 7 members of the Organizing Committee and to the 6 plenary speakers.

Recommendations:

EDAS provides a good service for the conference managing thanks also thanks to the help of Andrea Forte but it is less effective for the registrations management, maybe because it is a new feature not yet well tested.

Appendix

The webpage of conference is <http://www.conference.iet.unipi.it/camsap09/>.
The call for papers is included on the next page.



The Third International Workshop on
Computational Advances in Multi-Sensor Adaptive Processing

December 13-16 2009, Radisson Aruba Resort, Casino & Spa, Aruba,
Dutch Antilles

Call for Papers

Following the success of the first two editions of the IEEE workshop on Computational Advances in Multi-Channel Sensor Array Processing, we are pleased to announce the third workshop in this series, sponsored by the Sensor Array and Multi-channel signal processing Technical Committee of the IEEE Signal Processing Society.

CAMSAP 2009 will be held at the Radisson Aruba Resort, Casino & Spa in the Aruba Island, and will feature a number of plenary talks from the world's leading researchers in the area, special focus sessions, and contributed papers. All papers will undergo peer review in order to provide feedback to the authors and ensure a high-quality program.

Topics of interest

- Convex optimization algorithms
- Relaxation methods
- Computational linear algebra
- Computer-intensive methods in statistical SP (bootstrap, MCM, EM, particle filtering)
- Distributed computing, estimation, and detection algorithms
- Sampling methods
- Emerging techniques

with applications in

- Array processing: beamforming, space-time processing
- Communication systems
- Sensor networks
- Biomedical SP
- Computational imaging
- Emerging applications

Important Dates

Full four-page paper submission: July 24, 2009

Notification of acceptance: September 11, 2009

Final camera-ready papers: October 10, 2009

Early registration (at least one author per paper): November 2, 2009

General Co-Chairs

Yonina Eldar, Technion, Israel
yonina@cc.technion.ac.il
Daniel Palomar, HKUST, Hong-Kong
palomar@ust.hk

Technical Program Co-Chairs

Arie Yeredor, Tel-Aviv Univ., Israel
aric@cng.tau.ac.il
Petar Djuric, Stony Brook Univ., USA
djuric@ece.sunysb.edu

Publications/Publicity Chair

Maria Sabrina Greco, U. of Pisa, Italy

Local arrangement Co-Chairs

Robert Heath, U. of Texas at Austin, USA
Angel Lozano, U. Pompeu Fabra, Spain

Finance Chair

Xiaoli Ma, Georgia Tech, GA, USA

Technical Program Committee

Yuri Abramovich (DSTO, Australia)
Chong-Yung Chi (NTHU, Taiwan)
Tim Davidson (McMaster, Canada)
Alex Gershman (TU Darmstadt, DE)
Fulvio Gini (U. of Pisa, Italy)
Simon Godsill (Cambridge, UK)
Remi Gribonval (INRIA, France)
Jian Li (U. of Florida, Gainesville, USA)
Tom Luo (U. of Minnesota, USA)
Anna Scaglione (UC Davis, USA)
Dan Schonfeld (U. of Illinois, USA)
Yuriy Shkvarko (CINVESTAV, Mexico)
Nikos Sidiropoulos (TU Crete, Greece)
Ananthram Swami (ARI., USA)
Jean-Yves Tourneret (U. of Toulouse, FR)
Mats Viberg (Chalmers, Sweden)
Sergiy Vorobyov (U. of Alberta, Canada)
Zhengyuan (Daniel) Xu (UCR, USA)
Abdelhak Zoubir (TU Darmstadt, DE)

For more information visit the website at:

www.conference.ict.unipi.it/camsap09/

SAM 2010

Status Update – SAM-TC Meeting

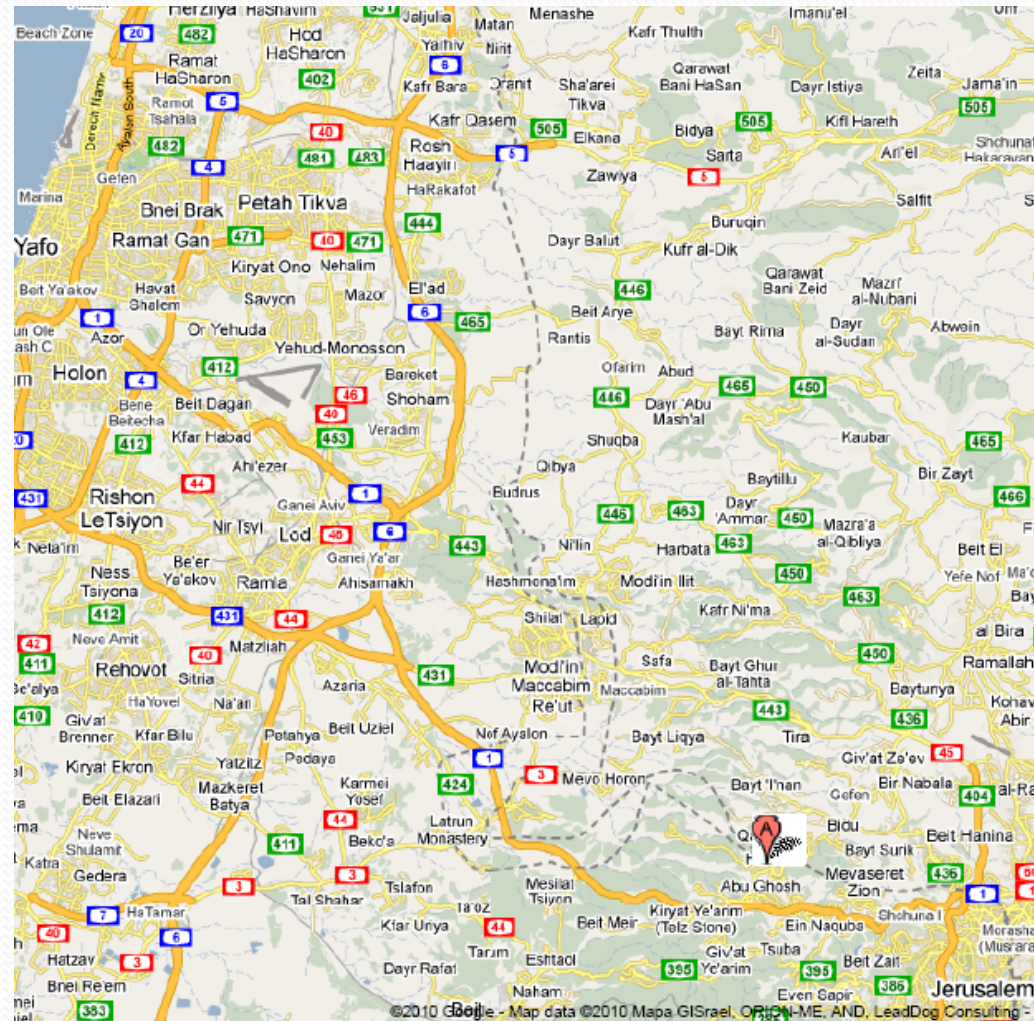
March 18, 2010

The Time and Place

October 2010: Monday 4 – Thursday 7

Kibutz Ma'ale Hachamisha - Israel

- 20 min from Jerusalem
- 40 min from Tel-Aviv
- 20 min from Ben-Gurion Airport



Timetable

Submission of proposals for special sessions	January 25
Notification of special sessions	February 5
Submission of papers	April 2
Notification of acceptance	June 4
Final manuscript submission	August 6
Authors and advance registration	August 6

Plenary Speakers

Kristine Bell

Maximum *a-Posteriori* Penalty Function (MAP-PF) Estimation and Tracking

Yoram Bresler

Parallel Magnetic Resonance Imaging: a Multichannel Signal Processing Perspective

Jean-Francois Cardoso

A Data Processing Pipeline for the Cosmic Microwave Background

Alfred Hero

Performance-Driven Information Fusion

Shlomo Shamai

Robust Cooperation and Relaying in Wireless Networks: An Information Theoretic Perspective

Alle-Jan van der Veen

Calibration Challenges for Large Radio Telescope Arrays

Anthony Weiss

Direct Position Determination and Sparsity in Localization Problems

Special (Oral) Sessions

1. Low-rank Matrix Approximation and Completion - *Aleksandar Dogandžić*
2. MIMO Radar - *Marco Lops and Sergiy A. Vorobyov*
3. Underwater communications – *Andrew C. Singer*

Student Paper Competition

1. Nomination of an awards committee
2. The decision will be made based on:
 - Recommendations of the reviewers
 - Presentation
 - Evaluation of the papers by the awards committee
3. The awards will be granted during the Banquet

Sponsors

Current sponsors:

1. Ben-Gurion University of the Negev
2. Bar-Ilan University
3. The Open University
4. Netvision Ltd.

Sponsorships from ONR and other companies are expected.

See you in October



www.sam-2010.org