

ONTC Meeting at OFC 2005, Anaheim, CA  
March 8, 2005, 7:00 pm - 9:00 pm  
El Capitan AB, Hilton Anaheim

Attendees: Jason Jue, Biswanath Mukherjee, Jun Zheng, Nim Cheung, Maria Yuang, Wail Mardini (representing Oliver Yang), Bhadresh Pathak, Hussein Mouftah, Chunming Qiao, Peter Arijs, Mark Feuer, Massimo Tornatore, Scott Gieselman, Tao Zhang, Vinod Vokkarane, Scott Yam, Minh Kang, Byrav Ramamurthy, Amitabha Banerjee, Hideo Kuwahara, Ramesh Rajaduray, Glen Kramer

Biswanath opened the meeting at 7:30 pm.

1. Self-introductions
2. Approval of minutes from ONTC meeting at Globecom 2004
3. Conferences
  - a. OFC 2005

OFC 2005 was co-located with NFOEC for the first time. Mark Feuer of AT&T Labs, the Chair of the OFC networking subcommittee, reported on the networking papers of OFC. There were 11 postdeadline papers submitted and 4 accepted. The postdeadline papers represented forward looking activities. For the regular submissions, there were around 153 papers. Out of these submissions, 60 were selected for regular oral presentation, while another 20-30 were selected for posters. The sessions were chaired by members of the networking subcommittee. There were eight invited papers, one workshop on storage area networks, one tutorial by Piet Demeester, and several invited talks, including one by Glen Kramer on access networks.

Nim asked Mark to breakdown the statistics to determine trends in the accepted papers. Mark replied that the papers covered everything related to optical communications. The networks subcommittee handles topics such as network design, restoration and fault tolerance, access network (GPON, EPON, APON), network demonstration experiments, optical switches, wavelength-routed networks, optical burst and packet switching, and traffic grooming. Of the postdeadline papers, there were two PON papers, one on WDM PON and one on long-reach PON. There was one paper related to OCDMA. The paper involved packet routing based on a new element for multiple label recognition. A paper on access networks involved an optical burst ring and methods for sharing capacity on the ring. Of the 60 accepted papers, the qualities that made a paper accepted include the following. The paper has to be original - this was a strong criterion. The paper has to be clear. The paper has to be accurate - most tended to be accurate. Results are critical - people should come away learning something that they couldn't just think up on their own. The usual reasons for rejection included the lack of sufficient originality. The work should do something original and support the claims that are made - these are the two most important things. The paper should clearly state what has been done. The acceptance rate for this year was slightly higher than previous years. The integration of OFC with NFOEC didn't have an effect this year on acceptance rates.

The NFOEC deadline is sometime in August. There are two tracks of interest related to networking: network systems and network technologies. The topics are more service-provider oriented, with shorter term to realization.

The OFC deadline is around October 13. OFC and NFOEC will be co-located, but will still have separate committees. The OFC subcommittee on networks is overloaded. Access papers will go to the applications subcommittee.

#### b. ICC 2005

Hussein Mouftah reported on ICC 2005. ICC 2005 will be in Seoul, May 16-19. There will be nine sessions: OBS/OPS, GMPLS/QOS, protection and restoration, WDM networks, Ethernet PON, CDMA, multicasting WDM, optical switches and crossconnects, and optical communication systems. Any volunteers for chairing sessions should get in touch with Hussein after today's meeting. Duties of session chairs include gathering short bios about speakers to introduce them. Also, session chairs can attend the speakers' breakfast.

#### c. Globecom 2005

Jason reported on the Globecom 2005 Symposium on Photonic Technologies for Communications. The name of the symposium was decided by the Globecom Technical Program Chair. There were about 100 submissions to the symposium, which was on the low side. It was suggested that having other technical committees co-sponsor the symposium would have helped.

#### d. OFC/NFOEC 2006

Biswanath reported on OFC/NFOEC 2006. Nominations are open for invited speakers, workshops, and tutorials. There is the possibility of a workshop on control plane architecture. This year about 80 people attended the workshop on SAN, which was held on Sunday. Next year a Monday workshop will be requested.

#### e. ICC 2006

ICC 2006 will be in Istanbul, Turkey in June. A symposium on Optical Systems and Networks is being sponsored by ONTC. The TAOS TC and CSR TC are also involved besides ONTC, which is the lead TC. The co-Chairs of the symposium are Piet Demeester, Byrav Ramamurthy, and Stefano Bregni. The vice-chair is Nasir Ghani. The call for papers will come out soon, with a deadline later in the summer.

#### f. Globecom 2006

Globecom 2006 will be held in San Francisco. The technical program chair is Zhi Ding of UC Davis. He has proposed that each technical committee have its own symposium. The chairs for the optical symposium are Nasir Ghani and Maurice Gagnare. The strategy is to have the vice-chair take over as chair for the next symposium. The vice-chair will be Suresh Subramaniam. Chairs and vice-chairs are appointed. The ONTC officers discuss and consult with others on possible candidates. Typically, people who have been active in the community are selected.

#### g. ICC 2007

Tariq Durrani from Glasgow is TPC chair of ICC 2007. He has proposed eight symposia and has proposed which technical committees should lead or cosponsor each symposium. There is an optical networking symposium. ONTC, TAOS, and TCCC are the proposed cosponsors.

#### 4. Best Paper Award

A Best Paper Award will be planned for all future ICC and Globecom symposia sponsored by ONTC. Hussein proposed a procedure for selecting the best paper. The procedure would be to choose the best three papers based on the highest review scores. A committee of three or five would be formed. The committee would include the chair and co-chair of the symposium, as well as another member. Each member of the committee would read and review the three papers and select the best paper. The announcement of the best paper will be presented and an award will be given at the technical committee meeting at the conference. This procedure needs approval. The award will start with ICC 2005. The paper will be selected within the next few weeks. A certificate or plaque will be awarded. For the award-selection committee, if there is a conflict of interest, a person, such as the chair or co-chair of the symposium, can be excluded from the committee.

#### 5. Other Conferences

BroadNets 2005 will be held in Boston in October 2005. There will be three symposia. Byrav reported on BroadNets workshops. There will be seven workshops, four on optical. The call for papers will be out at the end of March. Workshops will be one or two days.

ECOC is a device-centric conference in Europe. There is some networking, but not as much as OFC. Ioannis is on the networking subcommittee. Piet Demeester is also involved in pushing for more networking at ECOC.

COIN 2005, the Fourth International Conference on Optical Internet, will be in Chongqing, China. COIN 2006 will be in Korea. Minh Kang is the Co-Chair. It will be held some time between June and mid-July.

Chunming reported that a workshop on OBS/OPS will be held in conjunction with COIN 2005. The Chairs are Dan Blumenthal, Mike O'Mahony, and Ken-ichi Kitayama. COIN 2005 is seeking technical co-sponsorship from IEEE ComSoc. If COIN is sponsored by a sister society, then the \$350 technical co-sponsorship fee will be waived. ONTC has endorsed the technical co-sponsorship.

Peter Arijs reported on DRCN, which will be held October 16-19 in Italy. IEEE ComSoc is a technical co-sponsor of DRCN. The submission deadline is April 15. Organizers are looking for people to give tutorials.

## 6. Standards

The standards forum liaison is Doug Zuckerman, who was not present. It was encouraged that people write about standards for the IEEE Communications supplement.

## 7. Publications

Chunming reported on the IEEE Communications Magazine's Optical Communications Supplement. The supplement was launched two years ago. February 2 is the anniversary issue. The publication has an even distribution of academic and industry papers, as well as distribution over US, European, and Asian submissions. The acceptance rate is approximately one out of three. The goal is to process papers as fast as possible, typically within four or five months. There are four issues each year with four papers per issue. The issues come out in February, May, August, and November. There are columns on testing and standardization. Sometimes there are one or two invited papers. Invited papers still go through a review process and are reviewed by at least three people. A special issue on optical network test beds is due in August. Proposals for special issues are welcome. The proposal should include scope, topics, and should be sent to the Editor-in-Chief. The guest editor will process papers for the special issue.

Nim reported on the JSAC OCN series. Vincent Chan is the Editor-in-Chief. In its first year, there were two issues. The second year also had enough material for two issues, but JSAC only allowed one large issue. The third year is the same. There are some talks with the IEEE director of journals, Des Taylor, to find another home for some of these papers. A new journal would require four issues per year. Right now, JOCN only has enough papers for around three issues per year. There are about fifteen papers per issue.

Other publications on optical networking were mentioned, including the following: Elsevier Optical Switching and Networking, Kluwer Photonic Network Communications, OSA Journal on Optical Networks (on-line), and IEEE/OSA Journal of Lightwave Technology (JLT). It was mentioned that there is some dialog with Alan Willner, Editor-in-Chief of IEEE/OSA JLT, to have networking papers published in JLT.

## 8. Website

Byrav reported on the ONTC website. Input for the website, such as suggestions for links or standards bodies documents, are welcome. There are currently 220 subscribers to the ONTC mailing list. Byrav mentioned the possibility of having an active mailing list for discussions. Chunming suggested a forum on the website. Glen Kramer mentioned the possibility of using IEEE's forum and discussion list service, which is used for the EPON Forum.

## 9. Other business

Nim mentioned that the nanotechnology council is seeking two representatives from ComSoc. One representative is voting, and the other is non-voting. Current representatives are Ted Sargent and Nim Cheung. As a representative, Nim approved an issue of JSAC on nanotechnology, which will be published in May. Suggestions for nominees should be sent to Biswanath.

## 10. The meeting was adjourned at 9:10 pm.

Minutes recorded by Jason Jue.

