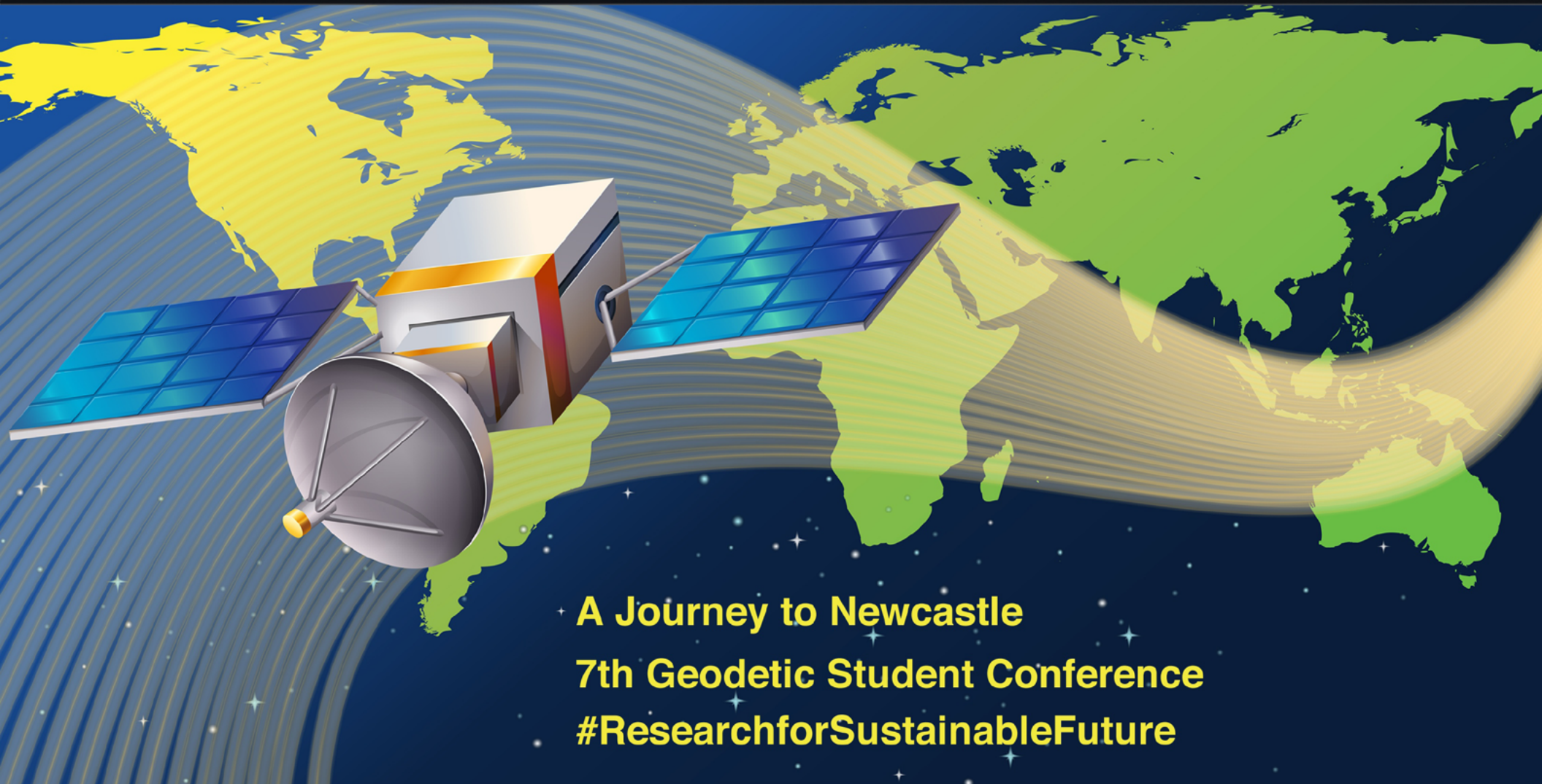


NewsLetter

Issue No.1, Vol. 9 – June 2015



A Journey to Newcastle
7th Geodetic Student Conference
#ResearchforSustainableFuture

ISPRS SC NewsLetter



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Would you like to join SC Newsletter team? Do you want to make a difference? Want to learn new skills?

SC Newsletter is at a stage where getting broader and better demands more people to be involved in the process of it's formation. That's why SC Newsletter team is looking for the following volunteers:

- More **people who would be willing to prepare articles** for existing or new rubrics,
- Designers of Newsletter

If you can help us with any of the above, please let us know!

info@isprs-studentconsortium.org

And also...

If you **would like to publish your research work** in the SC Newsletter send us your abstract on email written above. We will soon contact you for further information.

Dear friends and colleagues,



Welcome to Volume 9 of the ISPRS Student Consortium newsletter! In order to effectively communicate with its followers, the ISPRS Student Consortium maintains a number of social media outlets: [website](#), [Facebook](#), [Twitter](#), [LinkedIn](#), announcements through an e-mail list, and the [newsletter](#). The newsletter was first started in 2007, and to this day it remains the most formal means of documenting our past events. It also serves as an interviewing platform for educators in the fields of photogrammetry, remote sensing and the spatial sciences. The most important aspect of the newsletter, however, is that it gives an opportunity to us, the students, to contribute both technical and non-technical content, which could be read by our peers worldwide.

It is hard to believe that it is already the summer of 2015. The Student Consortium [board members](#) were elected during the 2012 ISPRS congress in Melbourne. The mandate of board members typically lasts for four years, so there is only one year left before it is time for elections again. The elections will be held during the upcoming ISPRS 2016 congress in Prague. If you are a motivated student and you would like to get involved with the Student Consortium, I would highly recommend you consider running for one of the board member positions. I suggest you first [register](#) as a member if you have not yet done so, then find a way to become active within the society, and keep an eye open for a nominations email sometime next year.

Enjoy the summer!

Ivan Detchev,
ISPRS SC Secretary

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Let's Come Together
to Make The World
Smaller and Smaller,
While Enlarging
and
Powering Our
Student Consortium
Network!!

JOIN US!!!

ISPRS Congress and Student Consortium

ISPRS organizes Congresses in Summer Olympic Games years. The next one will be in Prague - 12 – 19 July 2016.

The Congress preparation is ongoing and the first break will come on 12 July 2015 when registration and paper submission will be opened. Students and young scientists have many possibilities how to participate.

You can send a Full Paper to one of Technical, Theme or Special Sessions by 30 November 2015. If it is accepted after the double blind peer-reviewing, the final version will be included into the ISPRS Annals (<http://www.isprs.org/publications/annals.aspx>). If there is only one author and born on or after 1 July 1986, they can apply for the Young Authors Award (more in the ISPRS Orange Book). You can send only Abstract for the Review, where the deadline is 13 December and a full paper must be delivered by 15 March 2016 and will be published in The ISPRS Archives (<http://www.isprs.org/publications/archives.aspx>).

The other possibility is to take part in the Youth Forum – a self-standing one-day scientific meeting with oral and interactive sessions organized by the Students Consortium and held on 17 July. All papers from the Youth Forum will be published in a special proceedings volume. Two Best Paper Awards and Best Poster Awards are prepared for young authors born on or after 1 July 1986.

Students can share in the entire scientific programme of the Congress with other participants.

All young scientists are invited to the Ice-Breaker Party. It is the perfect way to meet new people and to make some new connections with young people interested in the same field on 17 July.

The Congress will offer an outdoor soccer match. Everyone is welcome to join in a five-a-side soccer challenge. All participants are invited to come along and take part, whether you're after some competition or just a friendly game.

The organizers welcome you all to the Summer School which will be held before the Congress in a beautiful city in the south-eastern part of the Czech Republic – in Telč.

For more details, please, check the Congress web page (<http://www.isprs2016-prague.com>).

I am looking forward to seeing you in Prague.

Lena Halounová,
ISPRS Congress Director,
10th May 2015



A journey to the Newcastle: The Wavelength Conference

by Mustafa Ustuner, Yildiz Technical University, Turkey

Have you ever attended any photogrammetry and/or remote sensing conference specially organized for research students and young professionals? If you did, you are in luck. If not, I am here to inform you about a conference which maybe what you have been looking for! The Wavelength Conference is organized by the Remote Sensing and Photogrammetry Society (RSPSoc) and provides an opportunity for students and young professionals to present their research in a friendly



and engaging academic environment. RSPSoc is the UK's leading Society for remote sensing and photogrammetry as well as an ordinary member of ISPRS. I was fortunate enough to attend the Wavelength 2015 conference that was hosted by the School of Civil Engineering and Geosciences at Newcastle University from 30th March till 1st April 2015. It was a great pleasure for me to be a part of this society. This three days conference included technical and poster sessions, ISPRS Keynote Speakers and social activities. The technical and poster sessions covered a wide variety of research areas such as dust/gas detection, disaster management and prevention, data integration, urban management and vegetation from earth observation satellites to UAVs presented with the following fruitful discussion. .

The keynote addresses were given by the following speakers: Chen Jun (President), Christian Heipke (Secretary General), Marguerite Madden (Second Vice President) from ISPRS Council and David Holland from Ordnance Survey. The ISPRS keynote session was opened by Chen Jun who presented about ISPRS, focusing on how students can get involved in the society and what ISPRS provides for students. Christian Heipke was the second speaker in the session presenting his research titled "New approaches for automatic classification of aerial and satellite images". The ISPRS session was closed by Marguerite Madden. She presented her research entitled "Geospatial information supporting animal movement and habitat studies". On the last day of the conference, David Holland from Ordnance Survey presented research entitled "A journey out of Flatland - Spatial data in more than two dimensions". We were also informed how to be a member of The Geological Remote Sensing Group (GRSG) which is a special interest group of the Geological Society of London (GeolSoc) and RSPSoc. The presentation was provided by Martin Black

from British Antarctic Survey. For more information, please visit grsg.org.uk/membership/. I also presented my research “Crop Pattern Mapping Using Winner Takes All Classification” on the first day of the conference. This study investigates the comparative performance analysis of ensemble based classifiers over other classifiers such as Support Vector Machines and Maximum Likelihood for the classification of crop patterns. I would like to thank to my advisor Fusun Balik Sanli, Yildiz Technical University, Yusuf Kurucu and Tolga Esetlili, Ege University, and Saygin Abdikan, Bulent Ecevit University, for their guidance and help throughout my research.

On the second day of the conference, there were three different social activities to choose from, which included Laser Quest, a walking tour of Newcastle or a visit to Great North Museum. Since it was the first time for me in Newcastle which is a city in the metropolitan county of Tyne and Wear in North East England, I preferred the walking tour of Newcastle with city guide. There are seven bridges along the Quayside in this city, however, the most remarkable one is the Tyne Bridge linking Newcastle upon Tyne and Gateshead. If it is your first time in UK, I strongly suggest you to taste “fish and chips” that are the undisputed National dish of Great Britain. In Newcastle they speak a different dialect of English that is called “Geordie” which is also the nickname of the local people. It can be quite difficult to understand the Geordie accent if it is your first time in Newcastle. In the evening of the second day a game of 10 pin bowling was organized for delegates to interact further outside of the academic environment.

Special thanks go to Andrew McClune, Newcastle University, and RSPSoc who organized the Wavelength 2015 conference. Furthermore I would also like to thank to all participants who made this conference a great experience. For further information and updates of the Wavelength and Annual RSPSoc conference as well as the membership opportunities of RSPSoc, please visit rpsoc.org. You can also like the RSPSoc’s Wavelength Conference page on Facebook and follow @RSPSoc and @RSPSoc_wlenght on Twitter. I strongly encourage any student studying in the field of photogrammetry and remote sensing to be a member of this society, to enjoy the kind of experience I had and meet other people working in the area. I hope to see you at next Wavelength conference...



INSPIRE Geoportal (Europe)
<http://inspire-geoportal.ec.europa.eu/>

GeoNorge Portal (Norway)
<http://www.kartverket.no/en/Geonorge/>

India NSDI Portal
<http://gisserver.nic.in/>

RESOURCES

EarthWorks
<https://earthworks.stanford.edu/>

Data.gov (USA)
<http://catalog.data.gov/dataset>

EDUCATION

UWF Graduate GIS Certificate
<http://uwf.edu/continuinged/departments/gis-online/program-options/gis-certificate/>

FREE SOFTWARE

gLiDAR
<http://gemma.uni-mb.si/gLiDAR/download.html>

PUBLICATIONS

USGS Publications
<http://pubs.er.usgs.gov/>

TUTORIALS

Airborne Altimetric LiDAR: Principle, Data Collection, Processing and Applications
http://home.iitk.ac.in/~blohani/LiDAR_Tutorial/Airborne_AltimetricLidar_Tutorial.htm

The 7th Geodetic Engineering Student Conference

UP Geodetic Engineering Club

First launched in 2009, the Geodetic Engineering Student Conference (GESC) is an event organized by the University of the Philippines Geodetic Engineering Club (UP GE Club) as part of the annual celebration of Geodetic Engineering Days. It aims to gather GE students from all over the Philippines in order to discuss the trends and issues concerning geospatial science and technology and its applications especially in the local setting. It also aims to highlight the wide range of career opportunities that GE students may take once they finish college.

For its seventh iteration, this year's GESC was held last February 9-10, 2015 with theme Hydrophilia: Geodetic Engineering and the Philippine Waters. It was conducted at the College of Engineering of the University of the Philippines and was attended by more than 250 students and faculty from all over the country. And the Philippines being an archipelagic country, GESC turned its focus on spatial technologies and ideas aimed at hydrographic surveying and spatial studies for water bodies, charting its depths, and mapping its natural resources.

Since its launch, GESC has been successful in gathering future GEs not only to learn more but also to get to know their future colleagues.

GESC Day 1: Lectures and Talks



First day of Geodetic Engineering Student Conference, with 270+ participants, held at Engineering Theater, College of Engineering, UP Diliman.

GESC Day 2: Instrument Demonstration



Single-frequency GPS Demonstration



**A Report of De La Salle University's Research Congress 2015:
#ResearchforSustainableFuture**

by Floyd Rey P. Plando, Environment And RemoTe sensing research (EARTH) Group

An annual research congress was held last 2-4 March 2015 at De La Salle University (DLSU), Manila, Philippines. This year's theme was #ResearchforSustainableFuture which aims to provide opportunities for educators, students and researchers to share their knowledge, viewpoints, and current researches. It was also an avenue for discussion, exchange of ideas, as well as finding partners for future collaboration. The Research Congress was open to the public and was free of charge. This multidisciplinary research congress encompassed various fields which interests students and researchers from DLSU and other institutions – (1) Food, Nutrition & Health, (2) Sustainability, Environment & Energy, (3) Women, Children & Family, (4) Living Culture & Contemporary Societies, (5) Learners & Learning Innovations, (6) Human Centric Technology, (7) Entrepreneurship, Business & Management, and (8) Theoretical, Philosophical & Historical Studies.

Keynote speeches were delivered by National Scientist Dr. Lourdes Cruz and Philippine Nuclear Research Institute Director Dr. Alumanda dela Rosa, country's two foremost women chemists, in the plenary session on Great Women, Great Chemists, in celebration of Women's month and a prelude to the Nobel Chemistry lecture, in the morning session of the first day (March 2). Afterwards, the main highlight of this event was a keynote speech delivered by Prof. Ada Yonath, a renowned 2009 Nobel Prize Winner in Chemistry, in the afternoon session. She also shared some of her insights and contributions to science and its impact on modern biochemical research. It was well-attended by many highschool students, teachers, researchers and faculties of De La Salle University and different institutions. Then, a graduate research colloquia was spearheaded by different college graduate coordinators dedicated to MS/MA and PhD graduates to present their research results before panel discussions. It also showcased the dynamics of academic exchange of ideas from the experts and attendees who are enthusiastic in the research field.

On the second day (March 3), a Fellows Talk, the DLSU version of the famous TED talks (Technology, Entertainment, and Design; www.ted.com), was delivered by 4 University fellows to inspire and stir the curiosity of the attendees. Afternoon session was a workshop on journal publishing was conducted in developing the skills of students, teachers and researchers for publishing their research works in high-impact journals in the field of Natural Sciences & Technology, and in the area of Humanities & Social Sciences. Simultaneously, a special session dedicated on the advances in LiDAR and remote sensing in gathering information from the atmosphere was exhibited by the DLSU Environment And RemoTe sensing research (EARTH) Group. Prof. Tatsuo Shiina, a faculty from Chiba University, was invited to give a

talk on how to create an LED mini-LiDAR system as minimum set up and its various applications, such as atmosphere, gas and dust monitoring, OCT technology for industrial use (industrial materials, plants, and health care), and light propagation in random media.

In the morning session of the last day (March 4) of the event, the Mariano Marcos State University and the DLSU researcher community presented their research works on the Joint Institutional research symposium, which catered the dynamic interaction between the two institutions toward nation-building and a significant, meaningful, interactive growth in the society. This event was simultaneous to a workshop on research ethics, patenting, and technology commercialization. It discussed the standards of ethical conducts of research, the rigors of how research can protect their work through patenting and the exciting possibility of commercializing a research output. In the afternoon session, a keynote speech was made to challenge and open opportunities to the researchers in the field of sustainability. Right after was an engaging interaction with research center directors of different colleges to foster research collaboration with different discipline inside the university. To formally close the event, closing ceremony was held at DLSU Henry Sy, Sr. Hall hosted by Dr. Divina Edralin, head of the Management and Organization Department, and the best papers were awarded for the well-deserved participants of the parallel technical sessions.

Events such as Research Center Exhibits and Parallel Technical Sessions were opened for three days showcasing different agenda, activities, and research outputs in different interests of students and researchers/faculties of DLSU and other named institutions. It also catered the opportunities for exploring future collaborations, assistantships, and fellowships. It showed how dynamic research is.



MASTER and PHD SCHOLARSHIPS

Many PhD Positions and Scholarships Funding for International Students, Oulu University, Finland

UniOGS promotes the development of structured Doctoral Programmes covering the areas of Technology, Natural Sciences, Biosciences, Health Sciences, and Human Sciences, and nurtures effective student-supervisor relationships founded on both motivation and commitment.

<http://scholarshiparena.com/many-phd-positions-and-scholarships-funding-for-international-students-oulu-university-finland/>

Geospatial Computing Sciences program at Texas A&M university-Corpus Christi

Bina lab is looking for a top-quality, highly motivated student in the area of Computer Vision and/or Remote Sensing. Candidates must hold a BSc, MSc or equivalent degree in Computer Science, Geomatics, or related fields (Electrical Engineer, Civil Engineering, Environmental Science, Mathematics). The successful candidate should have strong programming skills. Research background in Remote Sensing, Computer Vision, Environmental Modeling and Mathematics are a plus.

<http://faculty.tamucc.edu/mrahnemoonfar/bina/phd-position-and-funding-available/>

PhD Project in UK: Towards Airborne Hazard Emergency Management System for Local Environments

<http://www.findaphd.com/search/ProjectDetails.aspx?PIID=56263&Email=1>

JOB OPPORTUNITIES

Geospatial Analyst at Quantum Spatial

<https://workforcenow.adp.com/jobs/apply/posting.html?client=wsidata&jobId=77333>

Remote Sensing Office Technicians at Quantum Spatial

https://workforcenow.adp.com/jobs/apply/posting.html?client=wsidata&jobId=68335&lang=en_US

Environmental GIS Professional (Sacramento) at ERM

<http://chc.tbe.taleo.net/chc04/ats/careers/requisition.jsp?org=ERMGINC&cws=1&rid=9108#.VYLFV-tzrzJ>

6th International Students' Summer Seminar (3S-2015) & GEOMIR - 3S-2015

Moscow, Russia, 17-21 August 2015

For more info visit: <http://www.isprs.org/>

CA-ISPRS Workshop on Generalisation and Multiple Representation

Rio de Janeiro, Brazil, 21-22 August 2015

For more info visit: <http://generalisation.icaci.org/>

UAV-g 2015

Toronto, Canada, 30 August - 2 September 2015

For more info visit: <http://www.uav-g-2015.ca/>

ISPRS WG IV/8 Meeting

Berlin, Germany, 24-25 September 2015

For more info visit: <http://www2.isprs.org/commissions/comm4/wg8/news.html>

ISPRS Geospatial Week 2015

La Grande Motte, France, 28 September - 3 October 2015

For more info visit: <http://www.isprs-geospatialweek2015.org/>

ISPRS Student Consortium Summer School

Manila, Philippines, 24-28 October 2015

For more info visit: <https://www.acrs2015.org/>

XXIIIrd ISPRS Congress

Prague, Czech Republic, 12-19 July 2016

For more info visit: <http://www.isprs2016-prague.com>



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Our previous Newsletter issues

