

參加會議經過

102 年 6 月 18 日

報告人姓名	連展瑩	就讀系所及年級	資訊工程系 博士班四年級
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參加會議經過：

本次參加的會議是由 MTS/IEEE 與 OES 主辦的 OCEANS 2013 Bergen，地點在挪威(Norway)的卑爾根(Bergen)。會議的日期為 6 月 10 日至 6 月 13 日，為期 4 天。OCEANS 研討會是每年兩度的海洋盛事，也是與海洋工程、技術相關最大的研討會。此研討會已經舉辦多年，且頗具規模。每年，OCEANS 研討會會有逾千篇的論文投稿，因此會吸引來自世界各地的專家學者、廠商出席這個研討會。本次 OCEANS 2013 研討會舉辦在挪威的卑爾根，挪威因過去被冰河覆蓋，冰融之後，有雄偉壯觀的峽灣地形，因此也實在是一個適合 OCEANS 舉辦的場所。

過去，我出國參加過三次國際研討會，一次為我在淡的資工碩士班時，參與由 IEEE 主辦在北非突尼西亞的 ISCC 2009 研討會，還有 OCEANS 2011 以及 OCEANS 2012 的研討會。以 ISCC 2009 的研討會來說，雖然研討會也是非常順利，但在整個規模來說，感覺還好。可是自去年起參加 OCEANS 的研討會，便覺得此研討會非常有規模，無論是整個研討會的規劃、場次、人數與廠商參展等，都規劃的很好。因此，若國人對於海洋工程相關的技術有任何的研究或興趣，OCEANS 研討會應該是一個非常被推薦的研討會。

6/9 日，我們已從挪威最大的城市—奧斯陸搭國家鐵路前往卑爾根，並參加 6/10 起為期 4 日的研討會。研討會的第一天皆為與海洋相關議題的 Tutorial，主題為：

- Technologies for Monitoring Marine Organisms and Hazards
- Underwater Acoustic Communications: Channel Modelling and Signal Processing
- Operational Oceanography
- HF-radar operation and application

第一天 6/10 的時程表如下：

	Room A: Concert Hall	Room B: Klokkeklang	Grieghallen	Grieghallen	Room E: Troldtog	Room F: Gjendine	Room G: Nina	Exhibition Hall
Monday June 10 th 2013	8:00 AM Registration for Tutorial Participants and Exhibition Riggers from 8:00 AM. Location: Secretariat desk located in the Grieghallen, Main Entrance							
8:30 AM to 12:30 PM		TUTORIAL 1: TECHNOLOGIES FOR MONITORING MARINE ORGANISMS AND HAZARDS	TUTORIAL 3: OPERATIONAL OCEANOGRAPHY. Meet at Grieghallen for Registration at 8:00 AM Bus transfer to the Nansen Environmental and Remote Sensing Center in Bergen at 8:25AM	Technical Visit / Field Trip to Coast Center Base, Agotnes, outside Bergen. Onsite visit: Registration at Grieghallen from 8:00AM. Departure at 9:00AM by coach. Return to Grieghallen at 2:30pm Optional tour. Pre booking required.				Exhibition Rigging
1:00 PM to 5:00 PM		TUTORIAL 2: UNDERWATER ACOUSTIC COMMUNICATIONS: Channel Modelling and Signal Processing	TUTORIAL 4: HF-RADAR OPERATION AND APPLICATION Bus transfer to the Nansen Environmental and Remote Sensing Center in Bergen at 12:25 PM					
6:00 PM	SOCIAL EVENT: Bergen City Reception at the historic Haakons Hall. End at 7:00PM.							

而從第二天至第四天則開始各個 Session 的報告，我的報告當然也在其中。在 OCEANS 研討會中，主要以下列目標作為主題：

- Ocean management
- Oil and Gas Systems

- Underwater Technology
- Arctic Operations
- Maritime communication & Information
- Marine Renewable Energy
- ROV & AUV Technology
- Integrated environment surveillance
- Marine Shipping
- Remote sensing

第二天 6/11 的會議中主題與時程如下：

Tuesday June 11 th 2013	Room A: Concert Hall		Room B: Klokkeklang		Room C: Peer Gynt Hall		Room D: Stage		Room E: Troltdrog		Room F: Gjendine		Room G: Nina		Exhibition Hall		
	8:00 AM	Registration for OCEAN513 MTS IEEE Participants and and Exhibitors from 8:00 AM. Location: Secretariat desk located in the Grieghallen, Main Entrance															
	9:00 AM to 10:30 AM	Opening Key Note Session														Student Competition Posters & Exhibition	
	10:30 AM	Exhibition Opens															
	12:00 PM	Luncheons in the Exhibition Hall															
	1:00 PM to 2:40 PM	Bio Acoustics	Optics and Imaging I		Oil & Gas		Networks		Bio-inspired ROVs		Navigation and control I		GEO HF Radar Meeting.				
	2:40 PM	Coffee Break in the Exhibition Hall															
	3:10 PM to 4:40 PM	Eco-systems	Optics and Imaging II		Marine spatial planning		Networks I		Smart ROV Systems I		Navigation and control II		GEO HF Radar Meeting Continues				
	4:40 PM	SOCIAL EVENT: Get Together in the Exhibition Hall. End at 7:00PM															

第三天 6/12 的會議中主題與時程如下：

Wednesday June 12 th 2013	Room A: Concert Hall	Room B: Klokkeklang	Room C: Peer Gynt Hall	Room D: Stage	Room E: Trolldrog	Room F: Gjendine	Room G: Nina	Exhibition Hall
	8:00 AM	Registration for new OCEANS13 MTS IEEE Participants and Exhibitors from 8:00 AM. Location: Secretariat desk located in the Grieghallen, Main Entrance						
	9:00 AM to 10:40 AM	Town Hall Meeting	Optics and Imaging III	Smart Instruments I	Networks II	Smart ROV Systems II	Ship Design and Environmental Aspects	Student Competition Posters & Exhibition
	10:40 AM	Coffee Break in the Exhibition Hall						
	11:10 AM to 12:50 PM	Integrated Observing Systems I	Offshore Wind	Smart Instruments II	Networks III	Smart ROV Systems III	Ropes	
	12:50 PM	Luncheons in the Exhibition Hall						
	1:50 PM to 3:30 PM	Integrated Observing Systems II	Wave and Tidal Energy	Sonars and Sensors I	Links I	Smart ROV Systems IV	Maritime Archeology I	
	3:30 PM	Coffee Break in the Exhibition Hall						
	4:00 PM to 5:40 PM	Gliders	Emerging Concepts	Sonars and Sensors II	Links II	Smart ROV Systems V	Maritime Archeology II	
7:30 PM	SOCIAL EVENT: Conference Dinner in Grieghallen. End at 11:00PM							

第四天 6/13 的會議中主題與時程如下：

Thursday June 13 th 2013	8:00 AM	Registration for new OCEANS13 MTS IEEE Participants and Exhibitors from 8:00 AM. Location: Secretariat desk located in the Grieghallen, Main Entrance							Student Competition Posters & Exhibition
	9:00 to 10:40 AM	Observatories I	Arctic Operations	Sonars and Sensors III	Communication Channels	Smart ROV Systems VI	Surface Remote Sensing I		
	10:40 AM	Coffee Break in the Exhibition Hall							
	11:10 AM to 12:50 PM	Observatories II	Observing Platforms	Acoustics and Physics I	Survey Systems	Smart ROV Systems VII, MORPH I	Surface Remote Sensing II		
	12:50 PM	Luncheons in the Exhibition Hall							
	1:50 PM to 3:30 PM	Forecasting	Oceans Space Surveillance I	Acoustics and Physics II	Ship Robotics	Smart ROV Systems VIII, MORPH II	Underwater Remote Sensing		

其中，除了我的論文報告外，我也參與了其他 Session，除了每位學者都很精心分享他們的研究外，也會在報告結束後與其他學者進行討論與交流。整體而言，這個會議辦得非常精緻，除了論文發表外，也同時有海報發表與廠商參展，讓我們見識到這種水下的技術、應用與設備，令人耳目一新。

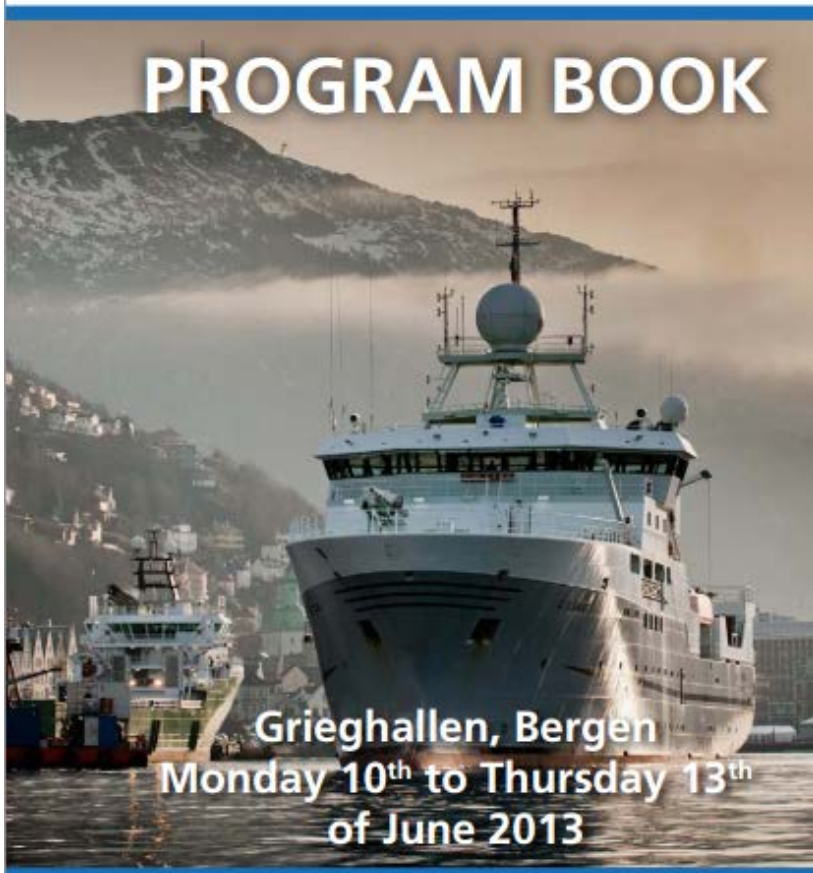
The Challenges of The Northern Dimension



MTS/IEEE - Bergen, Norway - June 10th-13th

The Northern Dimension and Challenges

PROGRAM BOOK



**Grieghallen, Bergen
Monday 10th to Thursday 13th
of June 2013**

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