

FP7 Marie Curie IRSES Project 318906

Designing Future Optocal Wireless Communication Networks

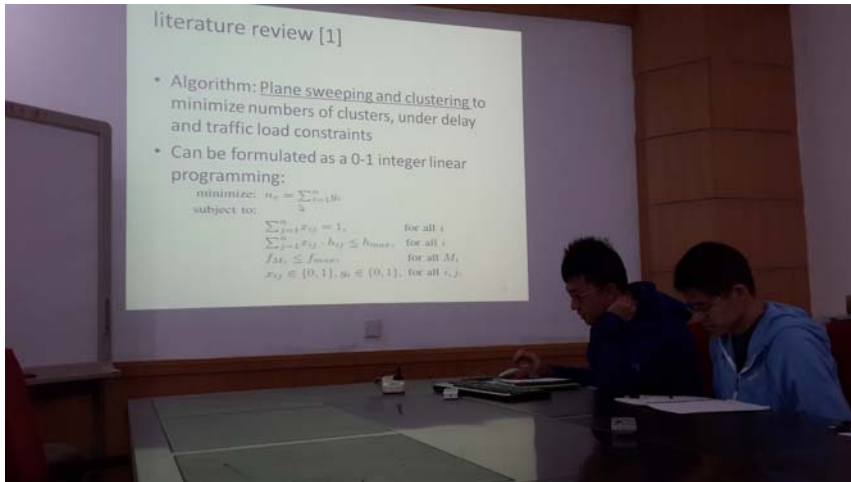
DETERMINE

Sample Knowledge Exchange Activities

[May 2014-June 2015]



- **Dong Yao** present about integer linear optimization routing for FSO.



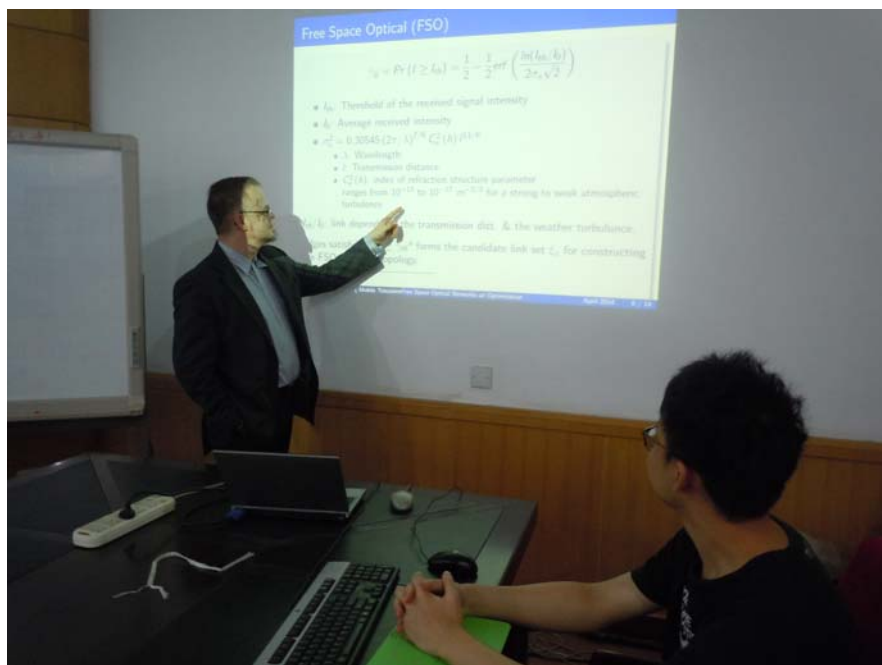
- **Lei Lei** from Linköping University, Sweden, visited Xi'an Jiaotong University, China.
- **Amiri Sultani Mziray, Ahmad Wasfi Mahmoud Mohammad and Marín Vásquez Yisbel Eloisa** from Aston University, UK, visited Xi'an Jiaotong University.
- **Dong Yao** present about project process and future applications of FSO.



- Professor Scott Fowler from Linköping University, Sweden, visited Xi'an Jiaotong University, China.
- Example of all partners in the DETERMINE having a meeting in China.



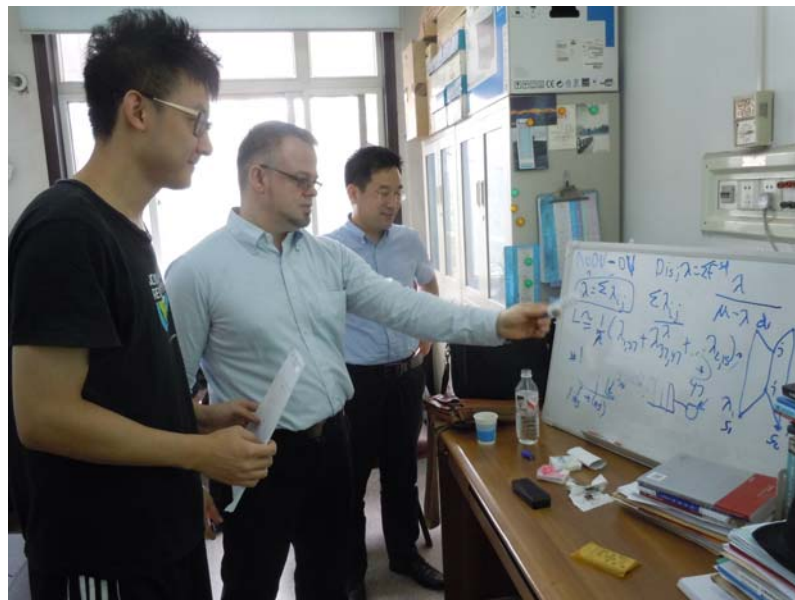
- **Professor S. Fowler**, presented at the School of Electronic and Information Engineering of XJTU, China; A talk Titled: Log-Normal Statics to form Link Layer Routing over FSO.



- **Professor S. Fowler**, presented at the School of Electronic and Information Engineering of Xi'an Jiaotong University, China; A talk Titled: Effect of Atmospheric Turbulence on FSO physical layer.



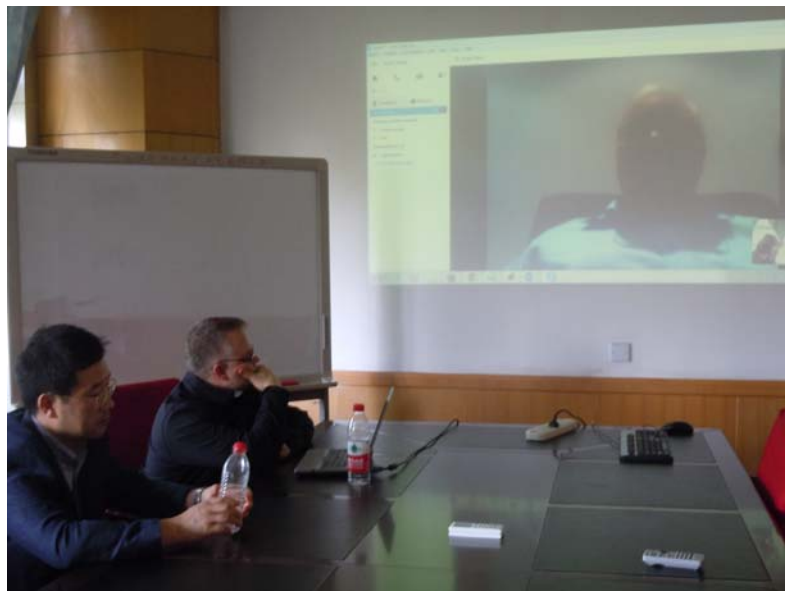
- **Dong Yao, Professor Xingjun Zhang and Professor S. Fowler** discussing about the DETERMINE problem and possible solutions.



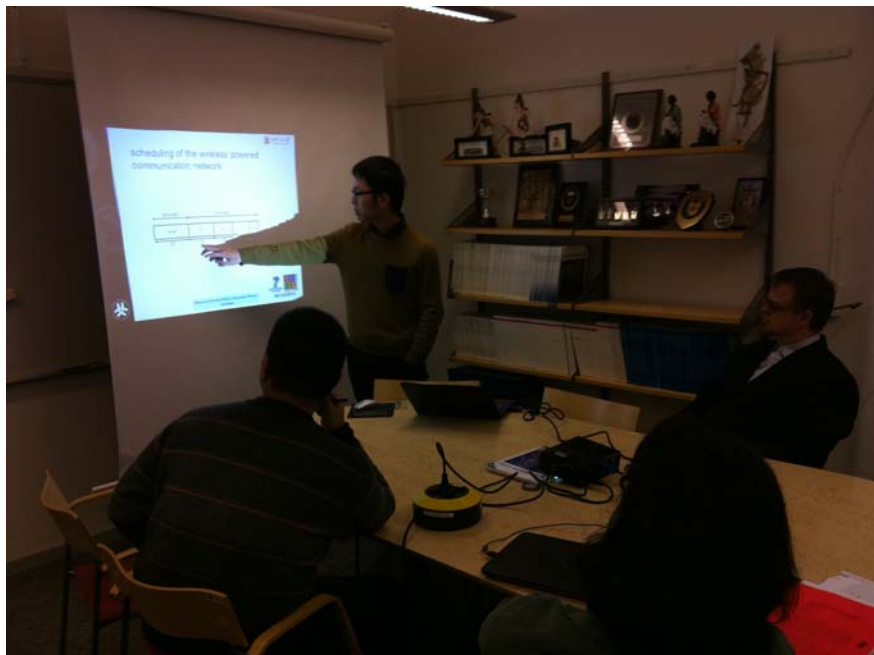
- **Lei Lei** from Linköping University discuss how his research on “Green Communications: Energy Efficient Scheduling in Wireless Networks” will contribute to the DETERMINE project at Xi'an Jiaotong University, China.



- **Professors Keith Blow, Xingjun Zhang and Scott Fowler** having a meeting from Xi'an Jiaotong University, China and Aston University, UK on the DETERMINE project.



- **Professors Xingjun Zhang and Scott Fowler** having a discussion after Scott talk on “Analysis of FSO Channel Communication Routing via Optimization Queueing Theory Model”



- Lei Ming from Xi'an Jiaotong University, China present information about *successive interference cancellation wireless power communication* at LiU, Sweden and how it will contribute the DETERMINE project.





- Emil Hammarström and Tobias Nordkvist arrive at Xi'an Jiaotong University, China.





- Emil Hammarström and Tobias Nordkvist from Linköping University, Sweden present information about *Network Optimization and Topology control of FSO* at Xi'an Jiaotong University, China.
- Aston Research: other colleagues at Aston are becoming involved in Free Space Optics collaborative work on another EU programme:
 - Son T. Le, T. Kanesan, F. Bausi, P. A. Haigh, S. Rajbhandari, Z. Ghassemlooy, I. Papakonstantinou, W. O. Popoola, A. Burton, H. Le Minh, F. Cacialli, and A. D. Ellis, “10 Mb/s visible light transmission system using a polymer light-emitting diode with orthogonal frequency division multiplexing”, *Optics letters*, Vol. 39, No. 13, 01.07.2014, p. 3876-3879.
[URL: <http://www.opticsinfobase.org/ol/abstract.cfm?uri=ol-39-13-3876>]
 - Paul Anthony Haigh, Francesco Bausi, Thavamaran Kanesan, Son Thai Le, Sujan Rajbhandari, Zabih Ghassemlooy, Ioannis Papakonstantinou, Wasiu Popoola, Andrew Burton, Hoa Le Minh, Andrew D. Ellis, and Franco Cacialli, “A 20-Mb/s VLC link with a polymer LED and a multilayer perceptron equalizer”, *IEEE photonics technology letters*, Vol. 26, No. 19, 01.10.2014, p. 1975-1978.
[URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6868188&isnumber=6894273>]





- Lei Zhong arrived at Aston University, UK.





- Runtong Zhao arrived at Aston University, UK.

