

IVAN LIM CHEN NING

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Professional Experience

- 2013-2015** CGG UK, **Processing Geophysicist**
• Seismic data processing (North Sea and Barents Sea).
- 2013** CGG UK, **Research Geophysicist**
• Matching between Ocean-bottom nodes and towed-streamer seismic data.
• 4D noise suppression using wavefield separated data.
• 1 Patent - *WO2015028485A3*
- 2011** Precision Control Sdn Bhd, **Trainee Engineer**
• Assisted in a team project to design Control Systems (SCADA) in Electrical Design Schematic Drawing & other engineering documentations.
• Worked independently in product routine test, troubleshooting and verification.

Educational & Qualifications

- 2015 – Present** Colorado School of Mines, **PhD, Geophysics** (3.86 / 4.00)
Minor in Mathematics
- 2012 – 2013** Imperial College London, **MSc Petroleum Geophysics** (Distinction)
Major Courses: Petroleum Geology, Petroleum Engineering, Petrophysics, Seismic Techniques and Interpretation, Signal Processing, Advance Seismic Methods, Rock Physics, Quantitative Seismic Analysis and Inversion, etc.
Field Trip: Wessex Basin, Dorset, UK
• Petroleum geology field trip
Field Trip: Pagosa Springs, Colorado, US (Collaboration with Colorado School of Mines)
• Geothermal geology field trip
• Near - surface geophysical acquisition and processing (DC/SP, EM, GPR, GPS, Gravity and Magnetism)
• Land seismic acquisition and processing
Project: Wytch Farm Phase 1 Development
• Petrophysics analysis
• Depth conversion
Project: Taranaki Basin 2D Seismic (marine) Data Processing
• Performed basic seismic data processing steps which include initial data quality control (QC), amplitude recovery, multiple attenuation, noise removal, NMO, migration, etc.
Project: Pagosa Springs 2D Seismic (land) Data Processing
• Performed full seismic data processing steps which include initial data quality control (QC), statics correction, noise removal, amplitude recovery, velocity analysis, DMO, NMO, (Prestack and Poststack) migration, etc.
Project: Gullfaks 4D Time Lapse
• Performed repeatability tests (wavelets and NRMS), AVO modelling, AVO analysis and production history analysis.
- 2008 – 2012** Multimedia University, **BEng (Hons) Electronics** (3.86 / 4.00)
Major Courses: Engineering Mathematics, Digital Signal Processing, Control Theory, Instrumentation and Measurement Techniques, Introduction to Machines and Power Systems, Electromagnetic Theory, Electromagnetic Interference, etc.
Final Year Project: Design and Construction of an Autonomous Robot (2012)
• Proposed new algorithm for imaging and mapping (3D to 2D)
• Design hardware circuit and implementation.
• Design software and implementation.
• Built and implemented the designed circuit successfully.
- 2007 – 2008** Multimedia University, **Foundation in Engineering** (3.98 / 4.00)
Major Courses: Physics, Applied Mathematics, Chemistry, Statistics, etc.

Awards

- 2012** *President Award (Multimedia University)*
- Best student status in academic and co-curricular activities.
- 2012** *Book Award (Multimedia University)*
- Awarded for achieving first class honours upon graduation.
- 2007** *Full Scholarship by Malaysia National Telecommunication*
- Awarded to high achievers for their O-levels results to pursue a bachelor's degree.

Additional Skills

Computing and Statistical Skills:

- Operating System: MS Windows applications.
- Software: have used Matlab for signal processing analysis, GLOBE Claritas, ProMAX for seismic data processing, Rokdoc, Hampson-Russell, CGG in-house software & Madagascar.
- Programming experience: C, C++ and Java.

Languages:

- Proficient in writing and speaking English and Bahasa Malaysia.
- Proficient in speaking Cantonese and Mandarin.
- Beginners level in writing and speaking French.

First Aid:

- Certificate awarded by Malaysian Red Crescent (Certificate Number: BB0078498).
- Expired on 24th April 2013.

National Disaster and Rescue Operation:

- Certificate awarded by Malaysian Red Crescent (Certificate Number: BC0006547).
- Achieved on 20th April 2010 without expiry date.

Extracurricular Activities

- 2012** *Innovate Malaysia Design Competition 2012*
- Awarded as the 1st runner up for the competition.
- 2011 – 2012** *Malaysia National Robotics Competition*
- Leader for the university's team in 2012 and successfully led the team to finish in top 16.
 - Motivated the 2012 team to deliver under short period of time.
 - Supervised and guided the 2012 team in technical aspects and developed an enhanced version of main controller boards.
 - Team member for the university's team in 2011 and work in a team responsible for the automatic robot's task.
 - Participated and contributed to team strategy discussion for the competition.
- 2009 – 2010** Cross Cultural Integration Programme, *Secretary*
- Event awarded the best cultural event for year 2010
 - Introduced a faster and better way for out-going official letters by imposing a standardized standard.
 - Chaired divisions' meetings to coordinate and ensure all the division keep up with the time plan.
 - Tackled internal disputes among committees.
- 2009 – 2010** Malaysian Red Crescent (MRC), *Chairman of International Humanitarian Law*
- Lead a team in organizing various courses including first aid course for members.
 - Participated in a 3 days rescue operation and welfare support for Bukit Antarabangsa Landslide (2008) and worked in shifts.
 - Program Director of MMU Disaster Relief and Rescue Operation Camp 2009 responsible to coordinate the entire program flow among committees throughout the 3 days camp.
 - Director of Multimedia University H1N1 awareness campaign. This campaign becomes the pioneer campaign for the successive campaign held by the university.

Publications

R.R. Haacke, **I.C.N. Lim** and K. Davies, [2015] Multi-realisation 4D Noise Attenuation. *77th EAGE Conference and Exhibition.*, Extended abstract.