



FutureWind&Marine 2018

Life After the CDT

Graeme Wilson

Introduction

- Started at CDT Sept-2010
- Civil Engineering Masters degree at Strathclyde
- Specialised in Offshore O&M
- Thesis title was:“...”
- Finished Sept-2014, graduated July-2015
- Started working with SSE in 2014, immediately after graduation
- Now a Partner at Everoze, joined 2017

SKILLS

“The centre will help the UK... develop the new generation of high-skilled professionals needed to lead the vibrant energy sector.”

- Programming – Matlab, Python, SQL, etc...
- Presenting – conferences, workshops, meetings with industry, exams
- Writing research papers – constructing arguments, reviewing literature, peer review process
- Self Management – time, workload, motivation, goal setting
- High level understanding of the energy industry – networks, flexibility, markets, economics
- Detailed understanding of Wind Energy Technology – aeromechanical, structural, electrical, economics

Students have both a broad and a deep understanding of the
Wind / Marine industry

EXPERIENCE

Best PhD experience possible (in my opinion...)

- Fantastic support network throughout university
- Professional Engineer Training Scheme (PETS) – IMechE / IET accredited
- Funding available for travel to conferences
- Lots of socialising and knowledge sharing
- Close integration with industry – Siemens, DNV-GL, SSE, Scottish Power, etc...
- Encourage innovation – Futurewind, PETS, further research

PhD students are encouraged to integrate with themselves, academics, industry, institutions, policy makers and schools

NETWORK

One of the CDT's most under-rated assets is its network

- This year will be the 10th year of the wind / marine CDT - ~100 students have come through the doors
- Students are well integrated into Strathclyde / Edinburgh in various departments
- Opportunities to meet influential people at conferences and directly through CDT
- Industry contacts from PhD and mini-projects
- Due to the calibre of candidates industry is now littered with ex-CDT students
- Wind - Operators, OEMs, RTO's, government, developers, consultants
- Also: Smart Grids, Electric Vehicles, Energy Storage, Hydrogen Economy...

CDT students will grow their networks very quickly once in industry

SUMMARY

Today isn't just about research, its about talent identification

- Skills that CDT students leave with are far beyond any Master's student
- The experiences they gain at the CDT cannot be replicated in graduate schemes, Master's degrees or other PhD's
- CDT students have access to a vast network which will continue to grown in size and influence

The CDT is a talent factory

Thanks for listening

Feel free to get in touch

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