

Dr Ana Ivanović CEng MICE

CASE STUDY

I applied to become a Chartered Engineer (CEng) because I believe that only once an engineer has gained an appropriate professional qualification can they truly be accepted as part of the professional community. This shows that they are a fully competent engineer. CEng status also comes with a sense of greater responsibility.

For a teacher or researcher, work undertaken at University can easily reflect the attributes required to become registered as a Chartered Engineer. I applied for CEng through the ICE's career appraisal procedure and found that my research in collaboration with industry was beneficial.

I was also lucky that my mentor was very supportive and, being chartered himself, could see the importance of my application for both my own professional status as well as for the University. The fact that I had achieved CEng status was looked on positively during the last JBM accreditation visit.

As a Senior Lecturer at the University of Aberdeen my duties fall under three categories: teaching, research and administration.

I currently teach both 3rd and 4th year Geotechnics courses as well as contributing to a Pipeline and Soil Mechanics Module (part of an MSc in Subsea Engineering). I am also involved in supervision of different design activities in 3rd and 5th years, and Honours projects in 4th year, mainly related to Civil Engineering issues.

At the same time I am also working on two different research topics, which both include numerical and physical modelling aspects – ground anchorages (with applications to tunnels and mines) and contact between trawl systems/icebergs and the seabed. In addition to my own research, I have been responsible for seven MSc/PhD research students and three Research Assistants since 2003. Through my research I have developed links with industry, and am currently working on a project related to icebergs and seabed interaction with Technip.

My administration duties include coordinating two honours degree courses and contributing to a number of other courses across the honours degree Civil Engineering programmes. I have also been advisor of studies since 2006, acted as an internal examiner for PhD study, am ICE Student Liaison Officer and coordinator of the Civil Engineering Scheme run at Aberdeen and Professional Group Leader for Civil Engineering in the School. I am also a member of the accreditation team for 2010 submissions, responsible for the Civil Engineering submissions.

I am now looking to develop stronger links with local industry that can be beneficial and provide new ideas for my research as well as ensuring that my approach to teaching remains up to date.



Others in academia would do well to become chartered if you feel it is right for you, if you want to benefit from being professionally recognised and also to help yourself keep up with developments in your chosen profession.

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