

## Next Generation Researchers Training Course: Processes and Modelling in Coastal and Estuarine Environments

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| <b>Course</b>                          | <p>This course for PhD-students and early career researchers will use the non-tidal coastal lagoon Rødsand in Southern Denmark as a case study. The area serves as a working laboratory and facilitates study of a wide range of subjects including:</p> <ul style="list-style-type: none"><li>• Cohesive and non-cohesive sediment properties</li><li>• Sediment spill from dredging operations</li><li>• Field survey techniques</li><li>• System understanding</li><li>• Numerical modelling of estuarine areas</li><li>• Sediment transport in estuarine areas</li></ul> <p>The course has its focus on natural and man-made sediment dynamics in the lagoon, including possible effects coming construction of the nearby submerged Femern Tunnel between Denmark and Germany.</p> |
| <b>Timing</b>                          | <p>The course will take place in week 26, 2019. It will cover 6 days from Monday 24 June with arrival on Sunday before. The course will conclude on Saturday 29 June 2019 at 13:00.</p>   |
| <b>Venue</b>                           | <p>Danhotel, Havnegade 2, Rødbyhavn, Denmark. (<a href="http://www.danhotel.dk">www.danhotel.dk</a>). The accommodation will be shared double rooms. Breakfast, lunch and dinner are included from dinner on Sunday 23 June to lunch on Saturday 29 June. Please let us know if you need special diet.</p>  |
| <b>Lectures</b>                        | <ul style="list-style-type: none"><li>• Anders Jensen (DHI)</li><li>• Bjarne Holm Jacobsen (PhD, Femern A/S)</li><li>• Sina Saremi (PhD, DHI)</li><li>• Thorbjørn Joest Andersen (Professor, University of Copenhagen)</li><li>• Ulrik Lumborg (PhD, DHI)</li></ul>   |
| <b>Format of Course</b>                | <p>Combination of lectures, hands-on modelling and an excursion in the area. Students work in small groups with a specific project. Groups are supervised by an expert. The course concludes with 30 minutes presentation from each group.</p>  |
| <b>ECTS</b>                            | <p>5</p>  |
| <b>More information and signing up</b> | <p>Anders Wedel Nielsen, <a href="mailto:awn@dhigroup.com">awn@dhigroup.com</a>, phone +45 4516 9299. Deadline for signing up is <b>13th of May 2019</b>. Use the online application form to apply for the course. Travel costs up to EUR 400 per person can be reimbursed.</p>   |

## Detailed Programme

| Weekday                        | Programme  |
|--------------------------------|--|
| <b>Sunday 23 June, 2019</b>    | <ul style="list-style-type: none"> <li>• Evening: Arrival at venue</li> <li>• Welcome</li> </ul>   |
| <b>Monday 24 June, 2019</b>    | <ul style="list-style-type: none"> <li>• Estuarine dynamics</li> <li>• Start-up of student projects, formulation, methods etc. in the afternoon</li> </ul> |
| <b>Tuesday 25 June, 2019</b>   | <ul style="list-style-type: none"> <li>• Estuarine dynamics and field survey techniques</li> <li>• Student projects in the afternoon</li> </ul>            |
| <b>Wednesday 26 June, 2019</b> | <ul style="list-style-type: none"> <li>• Excursion to Rødsand lagoon</li> </ul>  |
| <b>Thursday 27 June, 2019</b>  | <ul style="list-style-type: none"> <li>• Dredging and sediment spill monitoring</li> <li>• Hands on modelling</li> </ul>                                   |
| <b>Friday 28 June, 2019</b>    | <ul style="list-style-type: none"> <li>• Dredging and sediment spill monitoring</li> <li>• Hands on modelling</li> </ul>                                   |
| <b>Saturday 29 June, 2019</b>  | <ul style="list-style-type: none"> <li>• Student presentations</li> <li>• Leave around noon</li> </ul>   |