Security Services for the IoT (SSI)

• Learning outcomes
  • Understand IoT concepts and applications, security threats, technical solutions, and a few relevant standardization efforts in the IETF
  • Be able to analyze network traffic of IoT devices and create device profiles that describe this behavior
  • Understand the operational business of DNS operators and the impact the IoT may have on them (industry perspective)

• Assessment
  • Oral exam to discuss SSI papers
  • Five-page report on your lab assignment

• Bonus: guest lecture by industry speaker
What do students think?

“Lectures were very informative”

8.0

“Wide range of topics covered which is good to get an overview of different aspects of IoT environment.”

“Interesting topic and nice to see a collaboration with SIDN”

“Well constructed and thought out”
# Security Services for the IoT (SSI)

<table>
<thead>
<tr>
<th>EC</th>
<th>5 (140 hours)</th>
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<tbody>
<tr>
<td>Coordinator</td>
<td>Cristian Hesselman (SIDN Labs, University of Twente)</td>
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<td><a href="mailto:c.e.w.hesselman@utwente.nl">c.e.w.hesselman@utwente.nl</a></td>
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</tbody>
</table>
| Lecturers   | dr. Elmer Lastdrager (SIDN Labs)  
dr. Cristian Hesselman (SIDN Labs, University of Twente) |
| Teaching assistants | Ramin Yazdani (University of Twente)  
Etienne Khan (University of Twente) |
| Quartile    | 2B (April-July, 2021) |
| Academic year | 2020/2021 |
| Capacity    | Max 32 students |
| Website     | [https://courses.sidnlabs.nl/ssi](https://courses.sidnlabs.nl/ssi) |