Identification of Automotive Digital Forensics Stakeholders

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I am a PhD candidate at the Technical University Ingolstadt and Friedrich-Alexander-University Erlangen-Nürnberg (FAU) in Germany. My main research area is automotive digital forensics where my goals are the implementation of new methods for extraction and analysis of digital evidence in modern and future automotive systems.
Technologies

Data-Assets
Technologies  
Data-Assets  
Forensic Questions
Stakeholders?

Technologies

Data-Assets

Forensic Questions
Q1:

Which are stakeholders for automotive digital forensics?
Q1: Which are stakeholders for automotive digital forensics?

Q2: What forensic questions are they interested in?
“Automotive digital forensics stakeholders are relevant if they have a significant negative or positive influence on digital forensics in the automotive sector. This includes in-vehicle systems and their supporting infrastructure.”
Brainstorming sessions
Vehicle Life-Cycle

Brainstorming sessions
Brainstorming

Vehicle Life-Cycle

Interests

Forensic questions

Brainstorming sessions
Brainstorming sessions
Vehicle Life-Cycle
Interests
Forensic questions
Validation
Brainstorming sessions
Vehicle Life-Cycle
Interests
Forensic questions
Comparison
Validation
Session 1

One Professor, four PhD students, and one master student
<table>
<thead>
<tr>
<th>Session 1</th>
<th>Session 2</th>
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<tbody>
<tr>
<td>One Professor, four PhD students, and one master student</td>
<td>Four PhD students, one tier-one employee, and one OEM employee</td>
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</tbody>
</table>
Session 1
One Professor, four PhD students, and one master student

Session 2
Four PhD students, one tier-one employee, and one OEM employee

Session 3
One insurer employee, one tier-one employee, two OEM employees, and two PhD students
Validation & Limitations

Interviews with 8/12 stakeholders
Validation & Limitations

Interviews with 8/12 stakeholders showed validity for all interviewed.
Validation & Limitations

- Interviews with 8/12 stakeholders showed validity for all interviewed.
- Not all stakeholders were interviewed.
Validation & Limitations

Interviews with 8/12 stakeholders showed validity for all interviewed.

Not all stakeholders were interviewed. List is a snapshot.
Validation & Limitations

Interviews with 8/12 stakeholders

Showed validity for all interviewed

Not all stakeholders were interviewed

List is a snapshot

Focus on automotive digital forensics
Contribution

12 unique automotive digital forensics stakeholders
Forensic questions
Available resources
Position in vehicle life-cycle
Comparison of the stakeholders

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