# Identification of Automotive Digital Forensics Stakeholders

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**SECURWARE 2021** 



I am a PhD candidate at the **Technical**University Ingolstadt and FriedrichAlexander-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.





**Data-Assets** 



**Data-Assets** 

Forensic Questions



**Data-Assets** 

Forensic Questions

# Stakeholders?



## <u>Q1</u>:

Which are **stakeholders** for automotive digital forensics?



#### <u>Q1</u>:

Which are **stakeholders** for automotive digital forensics?

<u>Q2</u>:

What **forensic questions** are they interested in?

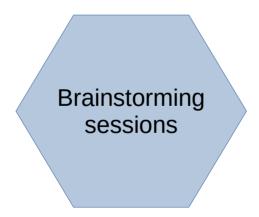


automotive sector. This includes in-vehicle systems and their supporting

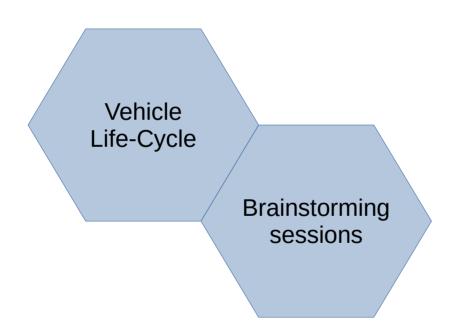
"Automotive digital forensics stakeholders are relevant if they have a

significant negative or positive influence on digital forensics in the

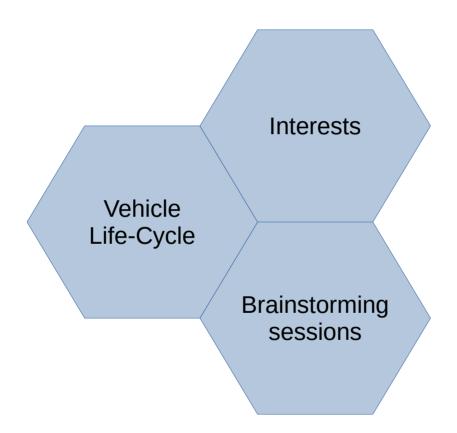
infrastructure."



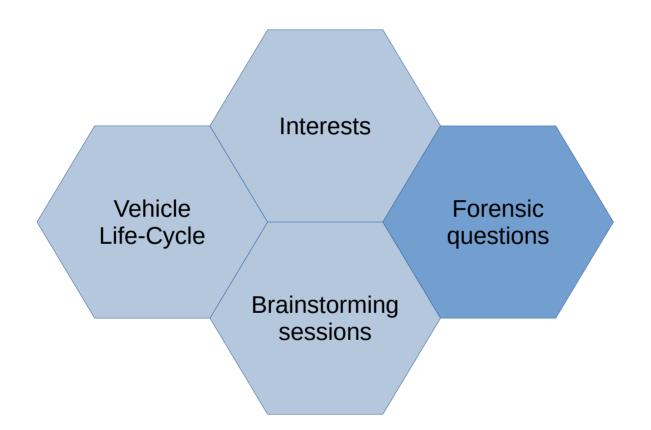


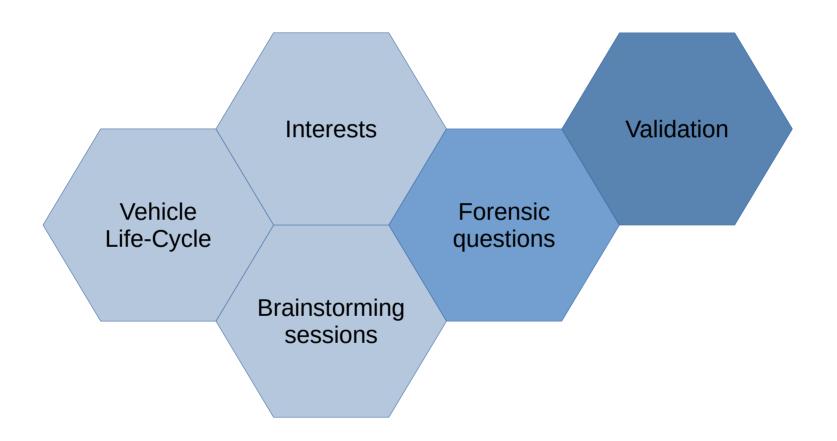




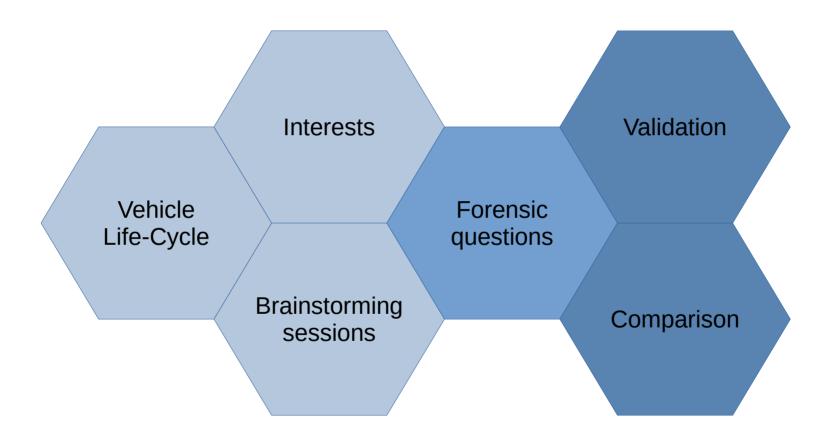














## Session 1

One Professor, four PhD students, and one master student



#### 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 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

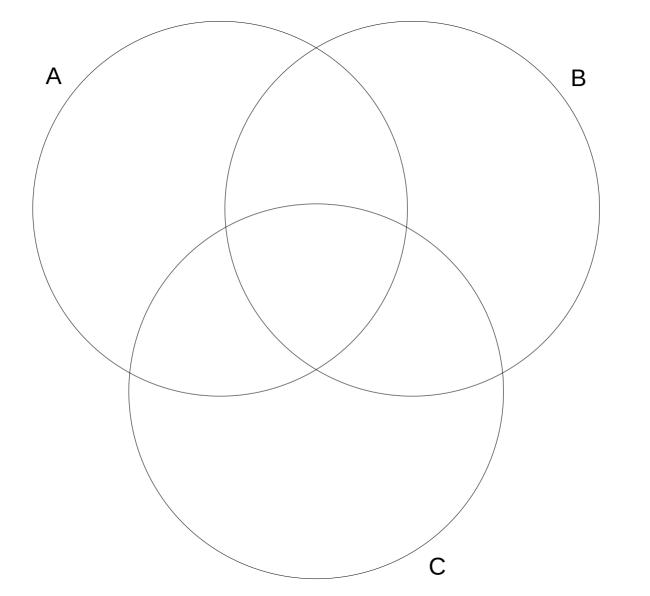


Researcher Supplier Business car owner Mobility provider **OEM** Insurer Approval authority Private car owner Government organization Criminal

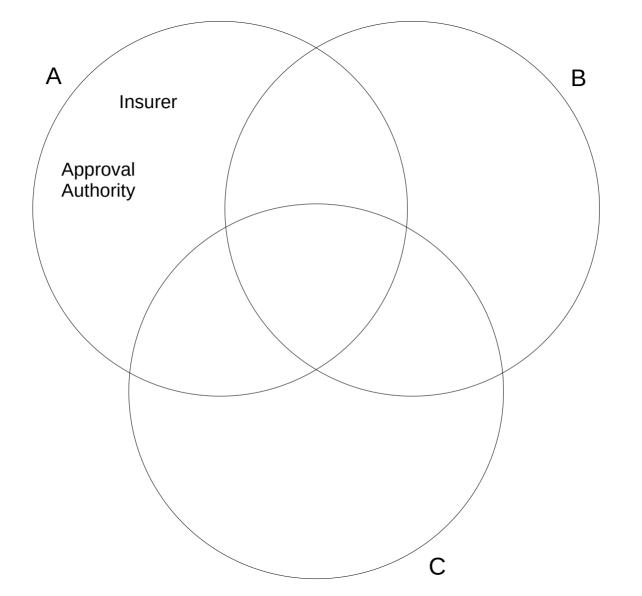
Legal institution

Tuner

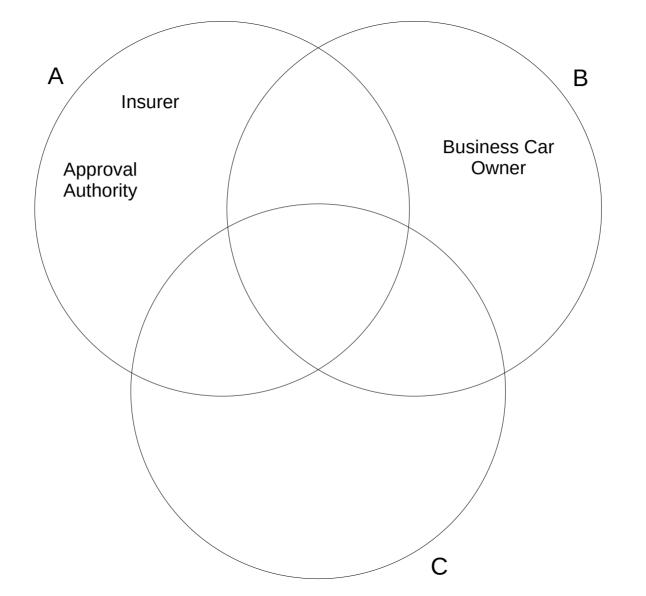




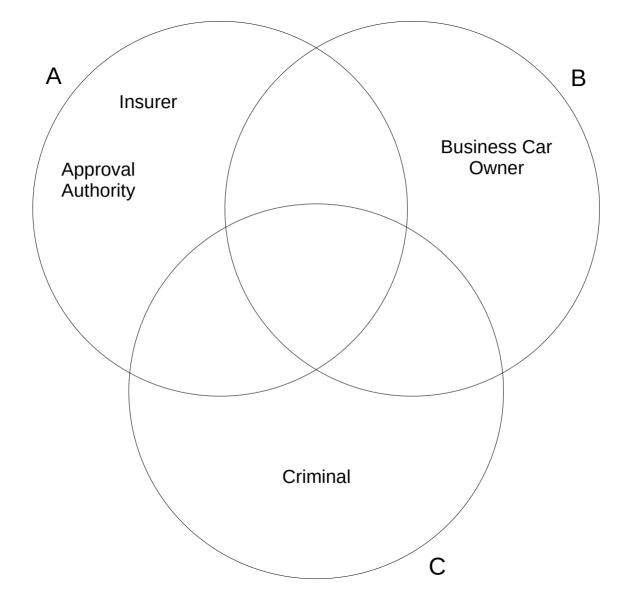




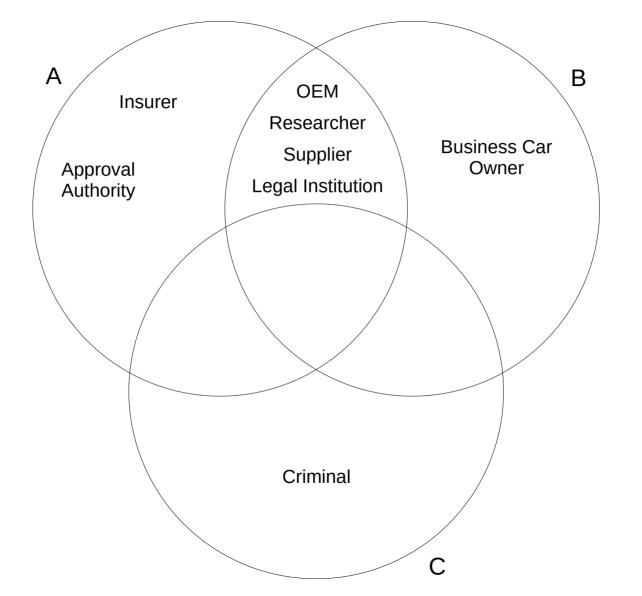




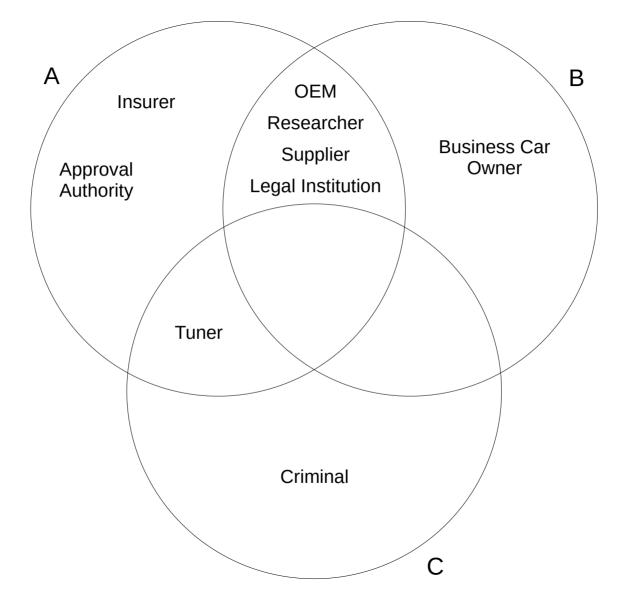




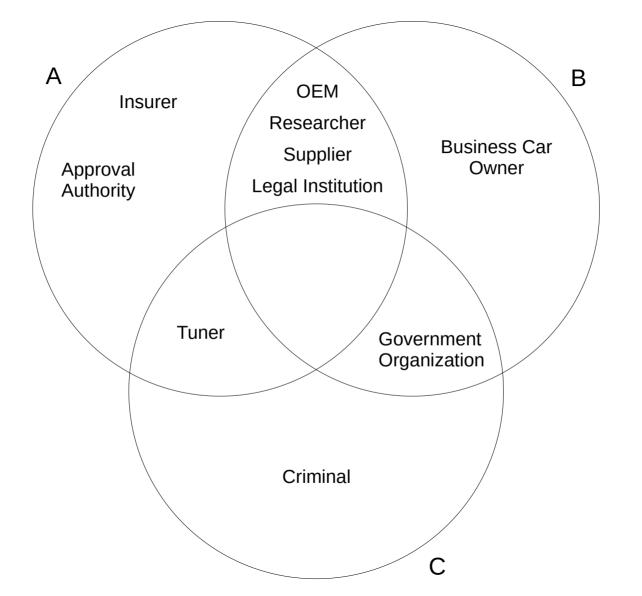




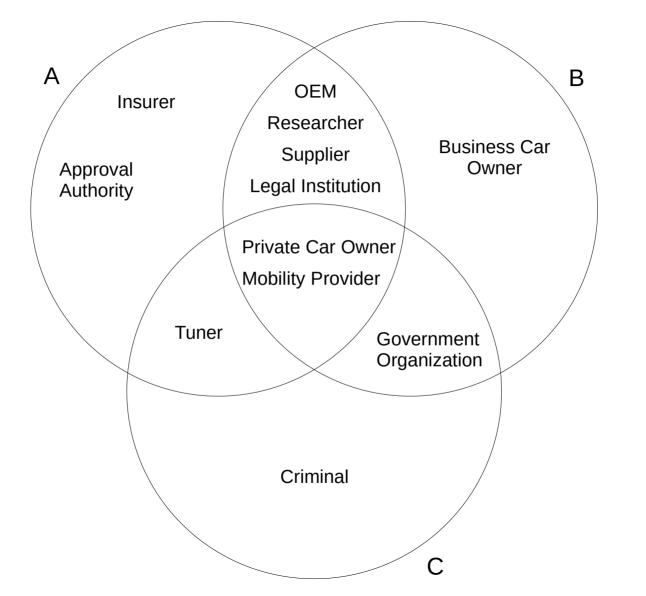














Interviews with 8/12 stakeholders



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Showed **validity** for all interviewed



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**Not all** stakeholders were interviewed



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List is a **snapshot** 



**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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