

## Peer-to-Peer IT Infrastructure [+]

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The diffusion and customer adoption of electric vehicles (EVs) are hampered by the absence of a well-developed publicly accessible charging infrastructure. We introduce an IT-enabled peer-to-peer (P2P) sharing and collaborative consumption (SCC) transportation service for private charging infrastructure as a means to alleviate this challenge. P2P SCC services facilitate private persons' joint access to privately owned physical resources such as cars (Uber), apartments (Airbnb), or charging stations (focus of this article) via Internet-based sharing platforms. We apply New Service Development (NSD) as a guiding process towards developing a P2P SCC service and suggest provider assessment as an extension to existing NSD procedures. We show a specific application of the provider assessment for our proposed P2P SCC service by reporting the results from a survey assessing potential peer-providers. Thus, we demonstrate how extending NSD for the provider assessment aided us in developing an IT-enabled transportation service that is based on the joint access to privately owned resources.[+]

### Themenfeld

Abfrage 2

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