The Dr. Theo Schöller Chair of Technology and Innovation Management (Prof. Dr. Henkel) offers an IDP with the following topic:

**Front-end Development for a Smart Contract-based Survey**

**Background and motivation**
You have probably heard of countless Amazon vouchers, iPads or similar rewards that are promised as an incentive to fill out surveys. But how often have you wondered whether these rewards really exist and whether the lottery is actually fair? With your help we are going to develop a tool that makes exactly this question obsolete. Our tool is a survey based on a Smart Contract on the Ethereum Blockchain. After participants have filled out the survey, the Smart Contract automatically determines the winner and sends the reward.

**Your job is...**
to work on the front-end of our prototype.

More precisely the goal of this IDP is to:

- Set up an online survey app,
- connect it to the smart contract currently running on an Ethereum testnet (Kovan),
- and implement a sample questionnaire

**What we offer**

- Work on one of the hottest topics in Innovation Management
- Close mentoring and clear milestones
- Insights into how Ethereum and Smart Contracts work and how they can be leveraged for research
- A fun but also challenging working environment

**What we expect**

- General interest in Blockchain and Smart Contracts
- Very good grades
- Experience with JavaScript, HTML, CSS
- Knowledge in React/VUE, web3.js, and Solidity is beneficial but not required

**Contact**

Please contact Daniel Obermeier (daniel.obermeier@tum.de) if you are interested in this topic. Your application should include a short letter of motivation, your CV and a current transcript of records. For more information on our general requirements, the application procedure, the application deadlines, and the style guidelines, please go to [http://www.tim.wi.tum.de/index.php?id=210](http://www.tim.wi.tum.de/index.php?id=210).