

## Trusted Timestamping for Scientific Applications

[Prof. Dr. Bela Gipp, University of Göttingen](#)

### *Summary*

In his talk, Bela Gipp, Professor for Scientific Information Analytics at the University of Göttingen since this April, will present the blockchain-backed trusted timestamping service OriginStamp.

The manipulation of research data is a serious problem. One way to manipulate data is by altering its creation date. Trusted timestamping allows proving that the time-stamped data, such as a preprint or a microscope image, already existed at the exact moment it was time-stamped.

Bela developed the trusted timestamping service OriginStamp as a Ph.D. student in 2011 because no convenient and tamper-proof method to create timestamps existed. Since then, OriginStamp has been used millions of times by researchers, journalists, whistleblowers, pharmaceutical companies, and individuals. Popular use cases are the timestamping of research data, ideas for patent applications, digital archives, etc. The service can be accessed using a website, a mobile phone app, or an API. Researchers can use the service free of charge.

In contrast to conventional commercial timestamping authorities, OriginStamp uses the blockchain of multiple cryptocurrencies as a decentralized, tamper-proof, and cost-efficient timestamping authority.