1151-00-65 **Delaram Kahrobaei*** (`delaram.kahrobaei@york.ac.uk`). *Interactions between Group Theory, Cyber Security, Artificial Intelligence, and Quantum Computation.*

In this talk, I explore how group theory playing a crucial role in data science and artificial intelligence as well as cyber security and quantum computation. At the same time, how computer science for example machine learning algorithms and computational complexity could help group theorists so tackle their open problems. (Received August 07, 2019)