**PhD Project Proposal**

School of Electronics, Electrical Engineering and Computer Science

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| **Proposed Project Title: Emotions and Fake News** |
| **Principal Supervisor: Deepak Padmanabhan Second Supervisor: Anna Jurek-Loughrey** |
| **Project Description:** Emotions have been very well studied in various contexts. Text is often embedded with emotions to serve a particular purpose on a reader (e.g., intimidation) or to help generate a particular response (e.g., quick action). The role that emotions play in the human mind has been subject to extensive study within various domains such as psychology, healthcare and more recently, in data science. This project will look at the emotional profile of fake news, and how it varies across various domains. This will involve developing algorithms to analyse the sequence of emotions within a textual narrative, and use such patterns in order to improve the state-of-the-art in fake news detection.  |
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