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Visualisation and Cybersecurity

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Deadline for manuscript submissions:
closed (11 December 2022)

Message from the Guest Editors

The growing sophistication of cyber attacks has made it increasingly challenging to secure data and systems against security breaches. Visualisation plays a key role in cybersecurity as it allows complex data to be presented and analysed in an intuitive form. The application of visualisation in cybersecurity gives rise to a variety of uses and benefits. It supports human understanding and capacity to map out threat surfaces, allows users to intuitively analyse and identify patterns in data, creates situation awareness in cybersecurity by visualising data from different sources, allows for security techniques such as visual cryptography, and so on. Cybersecurity visualisation covers a broad range of disciplines, including human aspects such as visualisation and visual perception, and technical aspects such as data analytics, computer vision, image processing, machine learning and network security.

This Special Issue welcomes a broad spectrum of papers ranging from innovative techniques and applications to position papers and comprehensive reviews, involving research on visualisation and cybersecurity.

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Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

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