

Webinar Series



Constructing a Digital Environment

Theme: Data for Decision Making

Title: “Why Big Data and AI machine learning will never work for critical problems of risk assessment – causal reasoning and knowledge to the rescue”

Speaker: Professor Norman Fenton

Time: Thursday 17th December 15:00 GMT

Registration and further details:

Norman Fenton is Professor of Risk Information Management at Queen Mary London University and is also a Director of Agena, a company that specialises in risk management for critical systems. He has published over 300 articles and 7 books, including "Risk Assessment and Decision Analysis using Bayesian Networks". He has applied his approach, which can be summarized as 'smart data rather than big data' to a wide range of fields. He has a special interest in raising public awareness of the importance of probability theory and Bayesian reasoning in everyday life.



The **NERC Constructing a Digital Environment (CDE) programme** is running a series of online Webinars, aiming to develop the digitally enabled environment, benefitting scientists, policymakers, businesses, communities and individuals. The webinar series seeks to showcase the latest expertise in digital technology and methodologies applied to the environment, illustrating ‘the arc’ from data gathering, its management and curation, analysis and presentation to decision makers, covering topics such as distributed networks of sensors, new sensor technology, novel forms of data informatics (e.g. data lakes, data cubes), data analytics, uncertainty, data labs, apps, skins and tools to support decision makers across the society.



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