

Invitation to an AES-IEEE-CH Joint Lecture on

A History of Radar

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Member and Distinguished Lecturer of the IEEE

**Datum: 13th June 2018****Zeit: 17.30 Uhr****Ort ETH Zürich, HG E 1.2**

Professor Hugh Griffiths has earned the MA degree in Physics from Oxford University and the PhD from the University of London. He is with the University College London, and has served as Head of Electronic and Electrical Engineering. His interests include radar sensor systems, signal processing and antennas. He provides scientific advice for the UK Ministry of Defense and is a Fellow of the IET and the IEEE. The over 600 papers he has published and the numerous awards he received have made him a well known expert. In addition he keeps on volunteering for the IEEE Aerospace and Electronic System Society in various positions.

The study of the history of radar in general entails numerous sources often covering but just a particular aspect. The lecture announced however has developed over the years, and has been fuelled by access to wartime documents from the Public Records Office in Kew, UK, which has provided a rich source of new and more complete information.

During the lecture a selection of British and German contributions will be presented, namely the first radar of Hülsmeyer in Germany and the Chain Home (CH) as the first air defense system. Next Klein Heidelberg a German bistatic air defense system is explained, which at that time was decades ahead of its time. The lecturer describes the use of Chain Home to detect V-2 rockets and hence the first ballistic missile defense system radar BIG BEN. In addition the impact of the famous Bruneval raid and the following technological analysis of the German equipment including the interrogation of the captured radar operator is presented.

We look forward to your participation. Guests are welcome.