

## **Voice and Identity: exploring the contribution of voice quality**

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and featuring Vincent Hughes (1), Eugenia San Segundo (1), Peter French (1,2), Philip Harrison (1,2) & Colleen Kavanagh (1,3)

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Forensic voice comparison (FVC) is conducted in two largely separate fields – phonetics and automatic speaker recognition (ASR). Each has advantages and disadvantages. It is now clear that the future of FVC lies in integrating the best aspects of the two approaches. In this talk I will outline our exploration of long-term voice quality as a component in an integrated approach to FVC. We have adapted Laver's Vocal Profile Analysis (VPA) tool and tested its reliability between analysts. We have also assessed how VPA scores relate to the results of ASR analysis, showing that overall results can be improved with the addition of phonetically-based VPA analysis.

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