

## **Vibration measurement as a tool to solve a murder**

David Eager<sup>1</sup>; Chris Chapman<sup>1</sup>

<sup>1</sup> University of Technology Sydney

Corresponding author's e-mail address: David.Eager@uts.edu.au

### **ABSTRACT**

This paper will discuss a novel use of vibration measurement used to assist the NSW Police Force to solve the 'pogo stick' murder.

The authors were approached by the Homicide Squad regarding a suspicious death of a 7-year boy at Oatley in May 2013. The child had reportedly fallen from a pogo stick and suffered significant head injuries. The child had not been provided with medical attention after the fall and died some 24 hours later.

The incident occurred inside a small unit which was used as a music recording studio. The studio is on the first level of a larger business complex. The studio consisted of a recording room, a lounge room, and a kitchenette. The child fell in the lounge room. At the time of the alleged incident the mother was in the kitchenette, and the accused was in the recording room. According to the accused, he had headphones on and was listening to loud music when he 'felt' the vibration of the thud.

Kodi Maybir was found guilty of murder in November 2015.