

Popular Science *Seminar Series 3*

**DK 1, C17, Faculty Science
25 April 2017 (Tuesday)
2.00 - 2.30 pm**

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A Journey Across a Bridge to a Waste...is Not a Waste After All

Mathematics is not just a subject with many components but a dynamic journey. Mathematics does not study things, but the relations between things. A description of such a relation is what we mean by a "concept". More important is the way mathematics deals with and defines concepts, by combining them into mathematical structures. These structures and patterns show the relations between concepts and their structural behaviour. Hence our understanding of these relations is crucial for our operation in and interaction with the world. In this sense, mathematics has the form of a language. It must be supposed that our ability to operate with concepts, with relationships, may continue to have an evolutionary value. In this presentation, we will show how a journey across a bridge, in particular the Penang Bridge to a clinical waste incinerator in Melaka can give a 'birth' to a new mathematical concept.