

On Monday 4th February 2019

At 6.30pm

In Engineers Ireland, 22 Clyde Road,
Dublin4

The Heritage Society in association with the Civil Division and Roads and Transportation society of Engineers Ireland present an evening lecture:

Engineering Calculations: from rules of thumb to theory



By

Dr Dermot O'Dwyer Chartered Engineer - TCD

This lecture explores how the quantitative application of mathematical and scientific principles emerged as a core aspect of engineering in Ireland between approximately 1750 and 1855: from George Semple's construction of Essex Bridge to the completion of the Boyne Railway Viaduct. This is the timeframe during which engineering emerged as a recognised profession in Ireland and the United Kingdom.

The lecture explores the drivers for this change from an Irish perspective and considers the effect of this change on engineering practice and education. The lecture draws on papers published in the Transactions of the ICE and ICEI, calculations that survive from this period, evidence from early university examinations and curricula, and Irish engineering texts.

Dermot O'Dwyer Chartered Engineer

Dermot is an Associate Professor in the Department of Civil, Structural and Environmental Engineering in Trinity College Dublin. His areas of research include structural and railway engineering and most particularly, the history of engineering.

all welcome admission free

For details www.engineersireland.ie