

7th South Australian Engineering Heritage Conference 25 May 2018

Program

- 12:30** **Registration and lunch**
- 1:00** **Welcome & Official Opening**
*Lachlan Kinnear MIEAust CPEng NER,
SA Division President, Engineers Australia*
- 1:10** **A cultural heritage of innovation? Development of
over-the-horizon radar and university reform**
*Don Sinnott, Adjunct Professor, School of Electrical and
Electronic Engineering, University of Adelaide*
- 1:40** **Russell John Dumas: his work on the River Murray Scheme,
1919-1925**
Helen Stagg, HHistorian/Author
- 2:10** **The Bridges of Port Adelaide**
Richard Venus, Forensic Heritologist, Adelaide
- 2:40** **Afternoon tea**
- 3:10** **Learnings from my land acquisition experience:
the legacy of Robert Torrens**
*Alan Hartley, Special Projects Manager,
Road and Marine Assets, DPTI*
- 3:40** **A young Electrical Engineer at the Whyalla Shipyards,
1972-1977**
David LeLievre, Engineering Heritage Victoria
- 4:10** **Professional Development for Heritage Engineers:
developing a professional syllabus and training program**
John Woodside
- 4:20** **Port Power: the Hydraulics and Mechanics of the
Jervois Bridge, Port Adelaide (1878-1969)**
*Richard Venus, Forensic Heritologist, Adelaide &
Miles Pierce, Engineering Heritage Victoria*
- 4:50** **Summary**
Richard Muncey, Engineering Heritage SA
- 5:00** **Official close**

The transactions of this and previous conferences are posted
on the Engineering Heritage SA webpage

www.engineersaustralia.org.au/south-australia-division/engineering-heritage-sa



About the Authors and Presenters



Don Sinnott

Don is an independent electronic systems consultant, company director, author and Adjunct Professor with Adelaide University. A graduate of Melbourne University, he completed a PhD at Syracuse University, NY. His professional career has embraced research and research management in fields of radio, electromagnetics, radar, navigation, signal processing and associated electronics, principally with the University of South Australia and the University of Adelaide, with Australia's Defence Science and Technology Organisation (DSTO - now DST Group), and in science policy development for the Australian Department of Defence.



Helen Stagg

Helen completed her first degree at the University of Melbourne and worked as a secondary school history teacher in Melbourne and Hamilton before taking time off to raise her three children. In 2010 she graduated with a Masters in History from the University of New England. She then continued her research for her book on the social history of South Australia's lock/weir construction, *Harnessing the River Murray*. Although her broader interests include all Australian history, she is passionate about sharing this previously neglected history of the Murray and the ambitious scheme to control its waters. www.historybyhelen.com.au



Richard Venus

Richard is a retired electrical engineer with an interest in researching and writing about engineering heritage – a pursuit he calls “Forensic Heritology”. He has stepped down from his roles as Chairman of the Engineering Heritage SA Committee, Vice Chairman of the National Committee on Engineering Heritage, and Vice President of the History Council of South Australia to devote more time to research and writing and perhaps even household projects. In 2015 Richard was awarded Engineers Australia's **John Monash Medal** for his significant contributions to the awareness and conservation of Australia's engineering heritage.



Miles Pierce

Miles is a graduate of Melbourne University and for many years was Principal Electrical Engineer in the Melbourne-based Victorian practice of consulting engineers GHD. His work covered electricity supply infrastructure, industrial and commercial/institutional power systems, process control and instrumentation, and illumination engineering. Miles has been interested in mechanical and electrical engineering heritage for some time and is a long-serving committee member and previous chair of Engineering Heritage Victoria. He has a particular interest in hydraulic power systems and has published a number of papers on this subject.



Alan Hartley

Alan is currently a Special Projects Manager in the SA Department of Planning, Transport and Infrastructure. For over 45 years he has applied his Architectural and Business Law training to the Right of Way (land access) activities associated with the acquisition, management and disposal of property sourced for State Infrastructure Projects. Alan is an Elected International Director of the International Right of Way Association. As an “Adelaide Born and Bred” Property Practitioner, Alan has long been aware, and quietly proud, that Robert Richard Torrens chose to strongly support Adelaide at a crucial time in its early history.



David LeLievre

David was born in Adelaide and studied Electrical Engineering at the South Australian Institute of Technology in the last group to finish engineering at the North Terrace campus. He was employed as a graduate welding engineer at BHP's Whyalla Shipbuilding Works and became an Outfit Commissioning Electrical Engineer. With the shipyard destined to close, David moved to the Point Henry Smelter in Geelong and worked for Alcoa until December 2015. David is currently chair of Engineering Heritage Victoria and was chair of the organising committee for last year's National Engineering Heritage Conference.



John Woodside

A graduate of Melbourne University in civil engineering, John worked in Melbourne and then London before joining John Connell and Associates in Adelaide. John commenced his own practice in 2001 and has specialised in the structural design of buildings, especially concrete buildings. In recent years he has also taken a keen interest in Heritage Engineering and was responsible for the restoration of the Sir William Goodman Bridge. John has been recognised with many industry and professional awards for his outstanding contributions to structural engineering in Australia.