

# Australian Rainfall and Runoff (ARR)



Many Council activities require an assessment of the flood risk. The publication of a revised Edition of Australian Rainfall and Runoff (ARR) has resulted in many changes in recommended approaches to the estimation of design flood magnitudes.

This seminar provides an overview of ARR and the changes in the recommended approaches to estimation of design flood magnitudes.

**Tuesday 14 September 2016**

**Venue: Metro Hotel Sydney  
Marlow - 431-439 Pitt Street,  
Sydney NSW 2000**

**Cost:**

**Members: \$750 + GST**

**Non Members: \$882 + GST**

**To book please contact**

## About the Presentations

In this seminar, we will work through the following:

1. What is ARR and how it can be accessed.
2. Types of design flood estimation including flood frequency analysis, regional flood frequency estimation, and catchment modelling.
3. Types of flood estimation problems including flow and volume dominated problems.
4. Access to ARR computer resources.
5. Estimation uncertainty and how to manage the uncertainty.

This seminar will include discussion of the advantages and disadvantages of different approaches. If you have a particular example or issue that you would like to discuss or to be worked through in the seminar, please email [elsie.p@ipwea.org](mailto:elsie.p@ipwea.org)



## Who should attend?

- ▲ Directors of Engineering or Public Works ▲ Planners
- ▲ Supervisors ▲ Other staff involved in (ARR)

For registration and workshop fees, please click on this link:

<http://www.ipwea.org/newsouthwales/nsweducation/search/upcoming>



# Australian Rain Fall and Runoffs (ARR)

## Presenter

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### James Ball Associate Professor UTS

James Ball is an Associate Professor in the School of Civil and Environmental Engineering at the University of Technology Sydney, in Sydney Australia. His primary research interest is in the development and application of catchment modelling systems for flood estimation in both urban and rural catchments. This includes the determination of parameters for these systems and the use of information technology in the determination of these parameters. Through these research activities he has published a number of book chapters, journal papers and referred conference papers. In 2011 he was awarded the JC Stevens Award by the ASCE for his publication in the Journal of Hydraulic Engineering related to urban drainage system modelling. Prior to joining the University of Technology Sydney, Professor Ball obtained experience through research undertaken at universities in Australia, Canada and USA. Professor Ball also obtained experience in Consulting Engineering and in Government Authorities.

James Ball has been appointed by Engineers Australia as the Editor responsible for the current revision to Australian Rainfall and Runoff. In this role, he is a corresponding member of Engineers Australia's National Committee on Water Engineering. In addition to his Engineers Australia activities, he is a Vice-President of IAHR (International Association for Hydro-Environmental Engineering and Research), a member of the editorial boards for the Urban Water Journal, the Journal of Hydroinformatics, the Editor-in-Chief of the International Journal of River Basin Management, and is an Associate Editor of Water Science and Technology.

### Invitation to attend

This course would be best suited to Engineers, Planners and other staff involved in (ARR)

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For further information, please contact IPWEA (NSW)

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