# Australasian Software Engineering Week

## 24th Australasian Software Engineering Conference (ASWEC 2015)
### A Platform for Industry Research Collaboration

September 28 – October 1, 2015
Adelaide, Australia

http://www.aswec2015.org

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## "Engineering Software for Innovation, Security, and Sustainability"

**The Australasian Software Engineering Week** brings together three exciting events for sharing ideas and knowledge for engineering software for innovation, security, and sustainability. The prime event will be the **24th Australasian Software Engineering Conference (ASWEC 2015)** that is a leading platform for sharing and discussing innovative software engineering research and practice.

**The Industry-Research Collaboration Day** will provide training and thought provoking talks on state-of-the-art practices by leading practitioners and researchers. This day will promote collaboration and cross-fertilization of ideas and knowledge among researchers, practitioners, government employees, and educators.

**The Australian Smart Cities Event** will be an opportunity to present and discuss inspirations, opportunities, challenges, and roadmap for developing and disseminating socio-technical solutions for Smart and Sustainable Cities across Australia and beyond.

### KEYNOTE SPEAKERS:

The Australasian Software Engineering Week will feature several keynote speeches by leading researchers and practitioners.

- *"Security and Privacy in Blended Systems"* by **Professor Awais Rashid**, (Director of Security Lancaster Research Center, UK)
- *"The nexus of data quality and business value"* by **Professor Shazia Sadiq** (The University of Queensland)
- *"How Enterprise Architecture can help Software Engineering"* by **Glenn Smyth** (CEO, Fragile to Agile, Australia)
- *"Big data disrupts, except when it doesn't"* by **Babar Jan-Haleem** (APAC Division, Oracle Australia)
- *"Engineering an Entrepreneurial Software Architecture"* by **Dr. Anna Liu** (Unitrends)
- *"Unlocking the value from Big Data: Practical use cases from various sectors"* by **Dr. Sanjay Mazumdar** (CEO, D2D CRC)

## Supporters & Sponsors

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The Australasian Software Engineering Week will host a range of interesting tutorials:

### *"Journey of Behaviour Driven Development"* by Devesh Maheshwari

BDD radically changes the traditional tester role in Agile projects, and empowers them to tangibly contribute much more to the successful outcomes of the project. This tutorial will help participant to learn different ways of writing more effective and easier to maintain automated acceptance criteria to enhance productivity. Participant will also learn how automated and manual acceptance test reporting can be integrated to provide valuable progress, product documentation and release preparation reporting.

### *"Scaling for Enterprise Agility"* by Dr. Asif Q. Gill, University of Technology Sydney

Scaling agility at the enterprise level is challenging. This tutorial introduces a practical approach to Adapt (assess, adopt, and improve), Define, Operate, Manage, and Support [ADOMS approach] an integrated agile or adaptive enterprise project management capability for handling large scale and distributed software programs and projects. Participants will learn how to scale agility at the portfolio and program level by involving and integrating agile or adaptive enterprise project management with the enterprise architecture.

### *"What developers and researchers need to know about DevOps?"* by Ingo Weber, NICTA

You have probably heard lot about the buzzword "DevOps". This tutorial will introduce DevOps concept, motivation, adoption, key practices, organisational and cultural implications, which lead to structural impact on products: Microservice Architectures. This will help participants to understand Continuous Deployment (CD) and CD pipelines, and how they relate to DevOps. CD topics will also include methods to achieve deployment without downtime, e.g. Blue/Green, Rolling Upgrade, as well as live testing and staged rollouts. This will conclude with one of the three case studies from presenter's recent book, on continuous deployment and microservices in enterprise environments, and provide an outlook on recent work that is of broad interest in the area.

### *"Working with User Stories: Advanced Agile Techniques"* by Dipesh Pala, IBM

Breaking up user stories can sometimes be as painful as a relationship break up – but it does not have to be like that. This tutorial will help the participants to learn the real reasons for splitting up user stories and not just talk about doing it as a good practice – we must BE Agile not just DO Agile. Using real-world examples, this tutorial will discuss a set of guidelines and some unconventional ways for breaking up larger chunks of work into valuable user stories that can help Agile teams become more successful. You can bring your large User Story that you believe is impossible to split and be prepared to be surprised. This interactive session will inspire and encourage every Agile practitioner to simplify User Stories and to think like a Customer.

## PROGRAM HIGHLIGHTS

- Six keynote speeches on security, big data, and enterprise architecture.
- Four tutorials on the state-of-the-art practices for engineering software intensive systems.
- 50+ presentations on selected topics for effective and efficient engineering of software.
- A panel of industrial and academic experts on Cyber Security and Software Engineering.
- Adelaide Big Data Meet Up.
- Association of Enterprise Architect (Adelaide Chapter) Public Seminar and Conference Reception.
- Inaugural Australian Smart Cities Roundtable Gathering.
- A Symposium for mentoring doctoral students on research ideas and methodologies.