

Edith Cowan University

Research Online

Australian Information Warfare and Security
Conference

Conferences, Symposia and Campus Events

2014

15th Australian Information Warfare Conference, 2014, Edith Cowan University - conference details

Security Research Institute, Edith Cowan University

Follow this and additional works at: <https://ro.ecu.edu.au/isw>

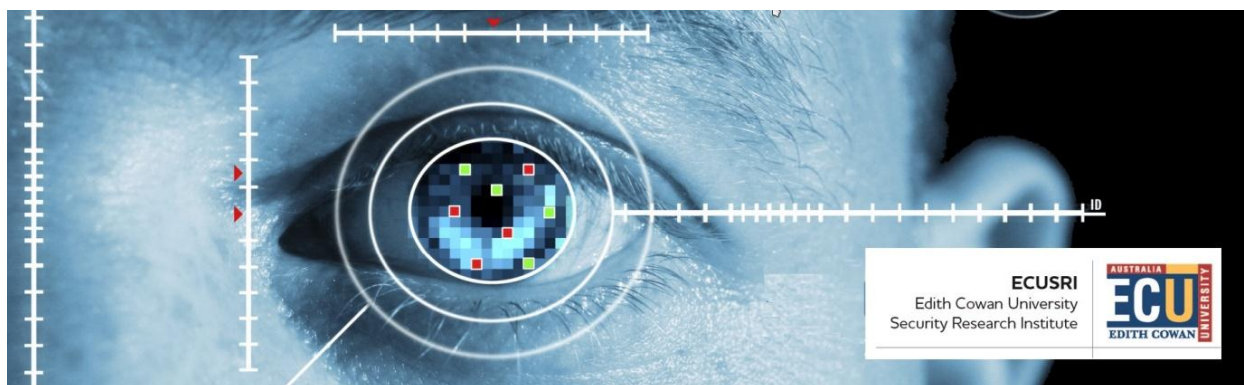


Part of the [Information Security Commons](#)

ISBN 978-0-7298-0717-3

This Conference Proceeding is posted at Research Online.

<https://ro.ecu.edu.au/isw/55>



The Proceedings of 15th Australian Information Warfare Conference

1-3 December, 2014

ECU Joondalup Campus, Perth, Western Australia



Proceedings of the
15th Australian Information Warfare Conference

Published By

Security Research Institute
Edith Cowan University

Edited By

Professor Bill Hutchinson
Security Research Institute
Edith Cowan University

Copyright 2014, All Rights Reserved, Edith Cowan University

ISBN 978-0-7298-0717-3

CRICOS Institution Provider Code 00279B

Sponsors

ECUSRI
Edith Cowan University
Security Research Institute



Supporters



Conference Foreword

The annual Security Congress, run by the Security Research Institute at Edith Cowan University includes the 15th Australian Information Warfare Conference. All papers submitted were subject to a double blind peer review process and of the 5 papers submitted this year, 3 were accepted for presentation and publication.

As always, this conference and the congress could not take place without the expert reviewers who all volunteer their valuable time to ensure the quality and success of the event. We wish to express the thanks of the entire organising committee for your efforts in making the congress a reality. Also, to the authors who took the time to write and submit papers, the quality of your work is what keeps the conference strong.

To our sponsors and supporters also a vote of thanks for both the financial and moral support provided to the conference. Finally, to the student volunteers and staff of the ECU Security Research Institute – your efforts as always are appreciated and invaluable.

Yours sincerely

Conference Chair

Professor Bill Hutchinson, Security Research Institute, Edith Cowan University

Congress Organising Committee

Congress Chair: Professor Craig Valli

Committee Members: Dr David Brooks
Mr Clinton Carpene
Mr Jeff Corkill
Mr Michael Coole
Mr David Cook
Mr Michael Crowley
Mr Peter Hannay
Dr Mike Johnstone
Mr Patryk Szewczyk
Mr Krishnun Sansurooah
Dr Zubair Baig
Associate Professor Andrew Woodward
Associate Professor Trish Williams
Professor Bill Hutchinson
Professor Nara Srinivasan
Congress Coordinator: Ms Emma Burke

Table of Contents

PREREQUISITES FOR CREATING RESOURCES AND COMPOSITIONS FOR CYBER DEFENCE.....	5
<i>Tuija Kuusisto, Rauno Kuusisto</i>	
DETECTING COVERT COMMUNICATION CHANNELS IN RASTER IMAGES.....	13
<i>Brian Cusack, Jarrett Chambers</i>	
DESIGN REQUIREMENTS FOR GENERATING DECEPTIVE CONTENT TO PROTECT DOCUMENT REPOSITORIES.....	20
<i>Ben Whitham</i>	