## 2013 Fourth Cybercrime and Trustworthy Computing Workshop

(CTC 2013)

Sydney, Australia 21-22 November 2013



**IEEE Catalog Number:** 

ISBN:

CFP1365K-POD 978-1-4799-3077-7

## 2013 Fourth Cybercrime and Trustworthy Computing Workshop

## **CTC 2013**

## **Table of Contents**

Welcome Message from the CTC Steering Committee	
Program Committee	vi
Reviewers	b
Fourth Cybercrime and Trustworthy Computing Workshop	
Identifying Faked Hotel Reviews Using Authorship Analysis	1
TLSH—A Locality Sensitive Hash  Jonathan Oliver, Chun Cheng, and Yanggui Chen	7
Skype Traffic Classification Using Cost Sensitive Algorithms	14
Statistical Sampling Approach to Investigate Child Pornography Cases	22
Measuring Surveillance in Online Advertising: A Big Data Approach	30
Can We CAN the Email SpamSimi (Kamini) Bajaj and Josef Pieprzyk	36
ICANN or ICANT: Is WHOIS an Enabler of Cybercrime?	44
Strategies for Covert Web Search	50
Malicious Spam Emails Developments and Authorship Attribution	58
Author Index	69

Dear Workshop Attendees,

We welcome you today to Westpac for the 4th Cybercrime and Trustworthy Computing Workshop (CTC-2013). It is our great pleasure to present to you a research programme of the best peer reviewed work in this field. While many challenges remain in the perpetual fight against crime — and particularly technology-enabled and technology-enhanced crimes — we believe that the goodwill and collaboration evidenced in today's presentations will assist in crime prevention and prosecution.

All of the papers were double-blind peer-reviewed by at least two expert reviewers, and a total of 20 submissions were received, with 9 acceptances, giving an acceptance rate of 45%.

We gratefully acknowledge the financial contribution made by RSA to support the Best Paper Award which was won by Mr Aaron Herps.

We would like to acknowledge the significant sponsorship of Westpac in hosting this event.

Finally, we would like to thank the presenters, attendees and technology demonstrators for taking time from their busy schedules to join with us on this most exciting occasion.

Mr Simon Brown
Dr Robert Layton
Dr Stephen McCombie
Prof Josef Pieprzyk
A/Prof Paul A. Watters
CTC STEERING COMMITTEE