

Content

Manuel J. Kripp, Melanie Volkamer, Rüdiger Grimm

Overview 17

Session 1: Verifiable Internet Voting in Norway: Lessons Learnt

Ida Sofie Gebhardt Stenerud, Christian Bull

When Reality Comes Knocking Norwegian Experiences with Verifiable Electronic Voting..... 21

Jordi Barrat, Michel Chevalier, Ben Goldsmith, David Jandura, John Turner, Rakesh Sharma

Internet Voting and Individual Verifiability: The Norwegian Return Codes 35

Session 2: The Technology behind the Norwegian Internet Voting

Jordi Puigalli, Sandra Guasch

Cast-as-Intended Verification in Norway 49

Denise Demirel, Hugo Jonker, Melanie Volkamer

Random Block Verification: Improving the Norwegian Electoral Mix-Net..... 65

Session 3: Verification of E-voting

**Craig Burton, Chris Culane, James Heather, Thea Peacock,
Peter Y. A. Ryan, Steve Schneider, Sriramkrishnan Srinivasan,
Vanessa Teague, Roland Wen, Zhe Xia**

A Supervised Verifiable Voting Protocol for the Victorian Electoral Commission 81

M. Maina Olembo, Anna Kahlert, Stephan Neumann, Melanie Volkamer

Partial Verifiability in POLYAS for the GI Elections 95

Session 4: Coercion Resistant E-voting Systems

Oliver Spycher, Reto Koenig, Rolf Haenni

Achieving Meaningful Efficiency in Coercion-Resistant, Verifiable Internet Voting.... 113

J erome Dossogne, Frederic Lafitte, Olivier Markowitch

Coercion-Freeness in E-voting via Multi-Party Designated Verifier Schemes..... 127

Session 5: Auditing and Testing of E-voting

L. Jay Aceto, Michelle M. Shafer, Edwin B. Smith III, Cyrus J. Walker
Internet Voting System Security Auditing from System Development through Implementation: Best Practices from Electronic Voting Deployments 145

Mark D. Phillips, Richard W. Soudriette
Testing Democracy: How Independent Testing of E-Voting Systems Safeguards Electoral Integrity 159

Session 6: Practical Experience with Internet Voting

Ardita Driza-Maurer, Oliver Spycher, Geo Taglioni, Anina Weber
E-voting for Swiss Abroad: A Joint Project between the Confederation and the Cantons 173

Tiphaine Pinault, Pascal Courtade
E-voting at Expatriates' MPs Elections in France 189

Session 7: Practical Experience with E-voting

Carlos Vegas
The New Belgian E-voting System 199

Guillermo Lopez Mirau, Teresa Ovejero, Julia Pomares
The Implementation of E-voting in Latin America: The Experience of Salta, Argentina from a Practitioner's Perspective 213

Session 8: Analyzing E-voting: Survey and Results

Nina Boulus-Rødje
Mapping the Literature: Socio-cultural, Organizational and Technological Dimensions of E-voting Technologies 227

Jessica Myers, Joshua Franklin
Interpreting Babel: Classifying Electronic Voting Systems 243

Jurlind Budurushi, Stephan Neumann, Melanie Volkamer
Smart Cards in Electronic Voting: Lessons Learned from Applications in Legally-binding Elections and Approaches Proposed in Scientific Papers 257

Session 9: New Developments and Improvements to E-voting

Marc Teixidor Viayana

Electronic Voting and Null Votes: An Ongoing Debate..... 273

Dalia Khader, Ben Smyth, Peter Y. A. Ryan, Feng Hao

A Fair and Robust Voting System by Broadcast..... 285

H. Serkan Akilli

Mobile Voting as an Alternative for the Disabled Voters 301

**Jonathan Ben-Nun, Niko Fahri, Morgan Llewellyn, Ben Riva, Alon Rosen,
Amnon Ta-Shma, Douglas Wikstrom**

A New Implementation of a Dual (Paper and Cryptographic) Voting System..... 315