

E-Vote-ID 2020

Digital Conference

In these challenging COVID-19 times, the question on how to deal with democracy during a pandemic has been raised by several voices. We consider that keeping the conference, albeit in digital format, is not only an academic responsibility, but also responds to the need for an active focus on electronic voting, by facilitating high quality debates and responses.

General Chairs: **Krimmer, Robert** (Tallinn University of Technology, Ragnar Nurkse School, Estonia), **Volkamer, Melanie** (Karlsruhe Institut für Technologie, Germany)

Outreach Chairs: **Rønne, Peter** (University of Luxembourg, Luxembourg), **Krivosova, Iuliia** (Tallinn University of Technology, Estonia)

Submission Deadline 15 June 2020

The 5th edition of the leading international event for e-voting experts is going digital. Taking input from upcoming e-conferences to ensure the best possible format, we look forward to welcoming you online between 6 and 9 October 2020.

One of its major objectives is to provide a forum for interdisciplinary and open discussion of all issues relating to electronic voting. The first 4 editions attracted over 400 participants which exchanged views on 121 presentations.

The conference aims to bring together e-voting specialist working in academia, politics, government and industry in order to discuss various aspects of all forms of electronic voting (including, but not limited to, polling stations, kiosks ballot scanners and remote voting by electronic means), in four tracks and a PhD colloquium:

Track on Security, Usability and Technical Issues

Chairs: **Beckert, Bernhard** (Karlsruhe Institut für Technologie, Germany), **Küsters, Ralf** (University of Stuttgart, Germany) and **Oksana Kulyk** (IT University of Copenhagen, Denmark)

Design, analysis, formal modeling or research implementation of:

- ❖ Electronic voting protocols and systems;
- ❖ Voter identification and authentication;
- ❖ Ballot secrecy, receipt-freeness and coercion resistance;
- ❖ Election verification, including end-to-end verifiability and risk limiting audits;
- ❖ Requirements;
- ❖ Evaluation and certification, including international security standards, e.g. Common Criteria or ITSEC;
- ❖ Human aspects of security mechanisms in electronic voting and in particular of verifiability mechanisms;
- ❖ Any other security and HCI issues relevant to e-voting.

Track on Administrative, Legal, Political and Social Issues

Chairs: **Duenas-Cid, David** (Tallinn University of Technology, Estonia / Kozminski University, Poland), **Solvak, Mihkel** (University of Tartu, Estonia)

- ❖ Discuss legal, political and social issues of electronic voting implementations, ideally employing case study methodology;
- ❖ Analyze the interrelationship with, and the effects of electronic voting on democratic institutions and processes;
- ❖ Assess the cultural impact of electronic voting on institutions, behaviours and attitudes of the Digital Era;
- ❖ Discuss the administrative, legal, political and social risks of electronic voting;
- ❖ How to draft electronic voting legislations;
- ❖ Public administrations and the implementation of electronic voting;
- ❖ Understandability, transparency, and trust issues in electronic voting;
- ❖ Data protection issues;
- ❖ Public interests vs. PPP (public-private partnerships).

Track on Election and Practical Experiences

Chairs: **Oliver Spycher** (Swiss Federal Chancellery, Switzerland) and **Beata Martin-Rozumilowicz** (International Foundation for Electoral Systems, United States)

- ❖ Review developments in the area of applied electronic voting;
- ❖ Report on experiences with electronic voting or the preparation thereof (including reports on development and implementation, case law, court decisions, legislative, steps, public and political debates, election outcomes, etc.);

Contributions in this track will be published in TUT press proceedings only. These experience and practical reports need not contain original research, but must be an accurate, complete and, where applicable, evidence-based account of the technology or system used. Submissions will be judged on quality of review and level of analysis, and the applicability of the results to other democracies.

Track on Posters and E-Voting System Demo

Chairs: Rønne, Peter (University of Luxembourg, Luxembourg)

The Poster and Demo session will be replaced with shorter presentations in a format to be determined.

Participation is open to all conference participants, but we request a Short Paper (two pages) by 15 September submitted via EasyChair, describing the system's requirements and properties, such as:

- whether the system is intended for use in controlled (i.e. in polling stations) or uncontrolled environments (i.e. remotely via the Internet or in kiosks);
- which types of elections it accommodates;
- whether it addresses the needs of voters with disabilities;
- what sort of verifiability it provides;
- the extent to which it guarantees vote privacy;
- whether it has been deployed in a real election;
- where to go for more information.

PhD Colloquium

Chairs: Driza Maurer, Ardita (Zentrum für Demokratie Aarau/Zurich University, Switzerland) and Iuliia Krivonosova (Tallinn University of Technology, Estonia)

The goal of the colloquium is to foster understanding and collaboration between PhD students from various disciplines working on e-voting. To this end, the program allows plenty of space for discussion and initiating collaboration based on presentations by attendees.

Each interested participant should submit his/her research proposal (or alternatively ideas for papers, open problems, or other issues where feedback from colleagues would be helpful etc.) in the shape of a short paper (two pages in length), using the conference platform.

Paper Submission

Paper submissions can be in two formats - either as a full paper or an abstract.

- Full paper submissions (max. 16 pages in LNCS format all-in);
- Short Paper submissions (max. 2 pages in LNCS format all-in).

All submissions will be subject to double-blind reviews.

Submissions must be anonymous (with no reference to the authors). Submissions are to be made using the EasyChair conference system at easychair.org/conferences/?conf=evoteid2020, which serves as the online system for the review process. During submission, please select the appropriate track or the PhD colloquium.

The track chairs reserve the right to re-assign papers to other tracks in case of a better fit, based on reviewer feedback and in coordination with other track chairs. LNCS style must be used (see the Springer guidelines at [springer.com/gp/computer-science/lncs/conference-proceedings-guidelines](https://www.springer.com/gp/computer-science/lncs/conference-proceedings-guidelines), including templates for LaTeX and Microsoft Word).

If you think that one or more of the programme committee members could have a conflict of interest with your submission, please let the general chairs know at conference-chairs@e-vote-id.org. In turn, according settings in the EasyChair system will be set, so that the respective member/s is/are not involved in the review process.

Key Dates for Submissions

Deadline for submission of papers for the Track on Security, Usability and Technical Issues and the Track on Administrative, Legal, Political and Social Issues

15 JUN 2020
23:59

(Hawaiian time, hard deadline, no extension)

Notification of Acceptance

24 JUL 2020

Deadline for submission of papers for the Track on Election and Practical Experiences and the PhD Colloquium

10 JUL 2020

Deadline for Camera-ready Paper Submissions

24 AUG 2020

Deadline for Poster Submission and Short Papers for E-Voting System Demo Session

15 SEP 2020

Publication

The conference proceedings will be available at the time of the conference. Full papers accepted for the tracks on security, usability, and technical issues, and respectively administrative, legal, political, and social issues will be published in Springer LNCS.

All other accepted publications, including full papers in the election experience track, accepted abstracts in any of the tracks, and from the submissions in the PhD colloquium will be published in proceedings with TUT press.

In case your academic host institution requires you to publish your research as open-access only, please contact the conference chairs for further information regarding the intended way to make accepted publications accessible.

PROGRAMME COMMITTEE

General Chairs

Krimmer, Robert (Tallinn University of Technology, EE)
Volkamer, Melanie (Karlsruhe Institute of Technology, DE)

TRACK CHAIRS

Track on Security, Usability, and Technical Issues

Beckert, Bernhard (Karlsruhe Institute of Technology, DE)
Küsters, Ralf (University of Stuttgart, DE)
Kulyk, Oksana (IT University of Copenhagen, DK)

Track on Elections and Practical Experiences

Spycher, Oliver (Federal Chancellery, CH)
Martin-Rozumilowicz, Beata (IFES, US)

Track on Administrative, Legal, Political, and Social Issues

Duenas-Cid, David (Tallinn University of Technology, EE and Kozminski University, PL)
Solvak, Mihkel (University of Tartu, EE)

PhD Colloquium

Driza Maurer, Ardita (Zentrum für Demokratie Aarau ZDA/ University of Zurich, CH)
Krivosova, Iuliia (Tallinn University of Technology, EE)

Outreach Chair

Rønne, Peter (University of Luxembourg, LU)
Krivosova, Iuliia (Tallinn University of Technology, EE)

PROGRAMME COMMITTEE

Track on Security, Usability, and Technical Issues

Programme Committee

Benaloh, Josh (Microsoft Research, US)
Bernhard, Matthew (University of Michigan, US)
Cortier, Véronique (INRIA-LORIA, FR)
Essex, Aleksander (Western University, CA)
Gibson, Paul (Telecom SudParis, FR)
Giustolisi, Rosario (IT University Copenhagen, DK)
Gjosteen, Kristian (NTNU Trondheim, NO)
Goré, Rajeev (Australian National University, AU)
Grimm, Rüdiger (University of Koblenz, DE)
Haenni, Rolf (Bern University of Applied Science, CH)
Haines, Thomas (Polyas, DK)
Müller, Johannes (University of Luxembourg, LU)
Neumann, Stephan (Landesbank Saar, DE)
Pereira, Olivier (UC Louvain, BE)
Rønne, Peter (University of Luxembourg, LU)
Ryan, Mark (University of Birmingham, UK)
Ryan, Peter Y.A. (University of Luxembourg, LU)
Schneider, Steve (University of Surrey, UK)
Schoenmakers, Berry (University of Amsterdam, NL)
Schürmann, Carsten (IT University Copenhagen, DK)
Stark, Philip (University of Berkeley, US)
Teague, Vanessa (University of Melbourne, AU)
Truderung, Tomasz (Polyas, DE)
Wen, Roland (UNSW Sydney, AU)
Willemson, Jan (Cybernetica, EE)

Musiał-Karg, Magdalena (Adam Mickiewicz University, PL)

Nemaslaki, András (Budapest University of Technology and Economics, HU)

Nurmi, Hannu (University of Turku, FI)

Pammett, Jon (University of Carleton, CA)

Reniu, Josep Maria (University of Barcelona, ES)

Sasvari, Peter (National University of Public Service, HU)

Serdült, Uwe (Ritsumeikan University, JP)

Soares, Delfina (UNU-EGOV, PT)

Vinkel, Priit (National Election Commission, EE)

Track on Election and Practical Experience

Programme Committee

Bismark, David (Votato, SE)

Bull, Christian (Telenor, NO)

Caarls, Susanne (Independent Expert, NL)

Catozzi, Gianpiero (EC-UNDP, BE)

Chanussot, Thomas (Independent Expert, FR)

Chelleri, Riccardo (Desk Officer - EU Council, BE)

Driza Maurer, Ardita (Independent Expert, CH)

Egger, Philipp (State Chancellery of St. Gallen, CH)

Franklin, Joshua (OutStack, US)

Loeber, Leontine (Council of State, NL)

Macias, Ryan (Independent Expert, US)

McDermott, Ronan (Independent Expert, CH)

Misev, Vladimir (Senior Election Advisor - OSCE/ODIHR, PL)

Past, Liisa (Chief National Cyber Risk Officer, EE)

Petrov, Goran (Independent Expert, MK)

Plante, Stephanie (University of Ottawa, CA)

Vollan, Kåre (Quality AS, NO)

Wolf, Peter (International IDEA, SE)

Wenda, Gregor (Federal Ministry of the Interior, AT)

Yard, Mike (Independent Expert, US)

Track on Administrative, Legal, Political and Social Issues

Programme Committee

Aranyossy, Marta (Corvinus University, HU)
Barrat, Jordi (EVOL2 – eVoting Research Lab, ES)
Braun Binder, Nadja (University of Zurich, CH)
Darnolf, Staffan (IFES, US)
Eenma-Dimitrieva, Helena (University of Tartu, EE)
Germann, Micha (KU Leuven, BE)
Goodman, Nicole (University of Toronto, CA)
James, Toby (University of East Anglia, UK)