

CSCML 2019
Third International Symposium on Cyber Security, Cryptology, and Machine Learning
June 27-28, 2019, Beer-Sheva, Israel

<http://www.cs.bgu.ac.il/~fradmin/cscml19>

Dates

Submission deadline **February 14, 2019**
Acceptance notification **March 20, 2019**
Camera-ready copy due **March 31, 2019**
The submission deadline is firm.

General Chairs and Conference Committee

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Partial List Academic Research Track PC

Ittai Abraham *VMware., Israel*
Adi Akavia *Univ. of Haifa, Israel*
Amir Averbuch *Tel-Aviv Univ., Israel*
Silvia Bonomi *Sapienza Univ. of Rome, Italy*
Anat Bremner-Barr *IDC Herzliya, Israel*
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Bezalel Gavish *Southern Methodist Univ., USA*
Niv Gilboa *Ben-Gurion Univ., Israel*
Ehud Gudes *Ben-Gurion Univ., Israel*
Shay Gueron *Univ. of Haifa, Israel & AWS, USA*
Danny Hendler, Co-Chair *Ben-Gurion Univ., Israel*
Stratis Ioannidis *Northeastern Univ., USA*
Gene Itkis *MIT Lincoln Laboratory, USA*
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Ben Kreuter *Google, USA*
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Ximing Li *South China Agricultural Univ., China*
Yin Li *Xinyang Normal Univ., China*
Avi Mendelson *Technion, Israel*
Aikaterini Mitrokosta *Chalmers Univ. of Tech., Sweden*
Kobbi Nissim *Georgetown Univ., USA & BGU, Israel*
Yossi Oren *Ben-Gurion Univ., Israel*
Haim Permuter *Ben-Gurion Univ., Israel*
Giuseppe Persiano *UNISA, Italy*
Benny Pinkas *Bar Ilan Univ., Israel*
Christian Riess *Univ. of Erlangen-Nuremberg, Germany*
Or Sattath *Ben-Gurion Univ., Israel*
Elad Michael Schiller *Chalmers Univ. of Tech., Sweden*
Gil Segev *Hebrew Univ., Israel*
Paul Spirakis *U. of Liverpool, UK & U. of Patras, Greece*
Kannan Srinathan *IIT Hyderabad, India*
Uri Stemmer *Ben-Gurion Univ., Israel*
Ari Trachtenberg *Boston Univ., USA*
Philippas Tsigas *Chalmers Univ. of Tech., Sweden*
Doug Tygar *UC Berkeley, USA*
Kalyan Veeramachaneni *MIT, USA*
Colin Wilmott *Nottingham Trent Univ., UK*
Rebecca Wright *Rutgers Univ. & Barnard College, USA*
Moti Yung, Co-Chair *Columbia Univ. & Google, USA*

Partial List Entrepreneurship Track PC

Muli Ben-Yehuda *Technion & LightBits Labs, Israel*
Yonah Alexandre Bronstein *ASTAV, inc., Israel*
Ben Gilad *TCS, Israel*
Roman Gold *JSCapital, Israel*
Shlomo Gradman *ASG, Ltd., Israel*
Guy Horowitz *Deutsche Telekom Capital Partners, Israel*
Sachin Lodha *Tata CS, India*
Oded Margalit *IBM & Ben-Gurion Univ., Israel*
Michael Rodeh *Permira and Land & Expand, Israel*
Yaakov Stein *RAD DC, Israel*
Ethel Chait Stein *NHSA, Israel*
Dan Touitou *Huawei Systems, Israel*
Yoav Trzuya *JVP Cyber Labs, Israel*

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Ehud Gudes *Ben-Gurion Univ., Israel*
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Kalyan Veeramachaneni *MIT, USA*
Yaron Wolfsthal *IBM, Israel*
Moti Yung *Columbia Univ. & Google, USA*

Scope. Original contributions to the theory, design, analysis, implementation, or application of cyber security, cryptography and machine learning systems and networks, and, *in particular, of conceptually innovative results* are solicited. Topics of interest include, but are not limited to:

• **Cyber Security Design** Secure Software Development methodologies, Formal methods, Semantics and verification of secure systems, Fault tolerance, Reliability, Availability of distributed secure systems, Game-theoretic approaches to secure computing, Automatic recovery, Self-stabilizing, and self-organizing systems, Communication, Authentication and identification, Cyber security for mobile and Internet of Things, Cyber security of corporations, Security and privacy for cloud, Edge and fog computing, Cryptocurrency, and Blockchain. • **Cryptology** Cryptographic implementation analysis and construction, Secure multi-party computation, Privacy-enhancing technologies and anonymity, Post-quantum cryptography and security. • **Machine Learning & Big Data** Anomaly detection and malware identification, Business Intelligence and Security, Digital forensics, Digital rights management, Trust management and reputation systems, Information retrieval, Risk analysis, DoS

Conference presentations will have two formats (you can find more information about the formats from last years event by clicking on the following link: <https://www.cs.bgu.ac.il/~fradmin/cscml18/submission.html>):

1. Regular presentations of 15-25 minutes accompanied by papers of up to 15 pages in the proceedings. This form is intended for contributions reporting on original research, submitted exclusively to this conference.

2. Entrepreneurship pitch of 5 to 10 minutes accompanied by six page abstracts/pitch presentation. (See also: <https://www.cs.bgu.ac.il/~frankel/TechnicalReports/2018/18-04.pdf>)

Submission. Papers are to be submitted electronically, following the guidelines available on the conference web page.

Each submission must be in English, in PDF format, and begin with a cover page including: (1) the title, (2) the names and affiliations of all authors, (3) contact author's email, address and telephone number, (4) a brief, one paragraph abstract of the paper, (5) indication whether the paper is a regular submission, or an entrepreneurship pitch submission (the authors of the entrepreneurship pitch track please note that the submissions will not be NDA protected).

A regular submission must not exceed 15 (LNCS formatted) single-column pages (excluding cover page and references). Additional necessary details may be included in a clearly marked appendix that will be read at the discretion of the program committee. An entrepreneurship pitch submission must not exceed 6 single-column pages. All submissions must use LNCS format. Any submission deviating from these guidelines will be rejected without consideration of its merit.

It is recommended that a regular submission begin with a succinct statement of the problem or the issue being addressed, a summary of the main results or conclusions, a brief explanation of their significance, a brief statement of the key ideas, and a comparison with related work, all tailored to a non-specialist. Technical development of the work, directed to the specialist, should follow. Papers outside of the conference scope will be rejected without review. If requested by the authors on the cover page, a regular submission can also be considered for the entrepreneurship pitch track.

Additional Planned Events. PhD Track and Capture the Flag Hackathon are planned to take place at CSCML 2019.

Publication. Regular papers will be included in the Springer LNCS conference proceedings. versions of selected papers will be considered for a special issue of the journal *Information and Computation*.