

# CryptoBG\*2017

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## CALL FOR PRESENTATIONS AND PAPERS



[Minu Balkanski Foundation](#)



[European Software Institute](#)  
[- Center Eastern Europe](#)



[Balkanski-Panitza Institute](#)  
[for Advanced Studies \(BPIAS\)](#)

[Call for Papers]

The call for Papers for the **International Summer School with Symposium CryptoBG\*2017, From Cryptology to Cyber Resilience** ([www.cryptobg.org](http://www.cryptobg.org)), organized by Balkanski-Panitsa Institute for Advanced Study (BPIAS), European Software Institute - Center Eastern Europe (ESI CEE) and the Foundation "Minu Balkanski" during the week 9 – 16 July 2017, National Institute of Education in Oriahovitza, Bulgaria is still open.

The selected papers (*research reports, lectures, lab courses or educational content*) will be included in the official program of the International Summer School with Symposium and will be published in **CryptoBG International Summer School with Symposium Proceedings** as a special issue of the *Information and Security: An International Journal* (ISSN 0861-5160, e-ISSN 1314-2119) (link: <http://procon.bg/view-volumes> ).

**When:** July 9, 2017 – July 16, 2017  
**Where:** "National Institute of Education", Oriahovitza, Bulgaria  
**Submission Deadline:** June 25, 2017 – *a final draft (or extended abstract, by exception)*

**Notification Due:** July 3, 2017  
**Final Version Due:** July 16, 2017 (*see the instructions below*)  
**Format:** Summer School with Scientific Symposium  
**Registration Fee:** **Full attendance fee (Summer School and Symposium)**, including accommodation, education, food and social program: 450 EUR  
**Symposium fee (research reports, on July 15, Saturday):** 100 EUR

**Organizers:** [Balkanski-Panitsa Institute for Advanced Studies \(BPIAS\)](#)  
[European Software Institute Center Eastern Europe \(ESI CEE\)](#)  
[Minu Balkanski Foundation](#)  
[and IT industry, academic partners, law-enforcement and defense authorities]

### SUMMER SCHOOL PROFILE

*To prepare the researchers and IT practitioners for the digital security and resilience of our e-business and e-life TOMORROW, we must foresee and develop on what will be AFTER TOMORROW.*

The School inherits the interest raised by the CryptoBG summer schools 2012-2016 and the International Symposium on Recent Developments in Cryptography and Information Security (held since 2007). It answers the e-skills demand for modern industry and society, aligned with the Europe 2020 Digital Agenda, the NATO Smart Defense initiative and Multi National capacity development (addressing 2035+).

### CALL FOR PAPERS

CryptoBG\*2017 International Summer School with Symposium invites cryptography and security-oriented contributions in information technologies, hardware and software implementations, Internet

### [Call for Papers]

and cybersecurity (i.e. detection and prevention of cybercrimes and identity theft), cloud security, security of critical infrastructure systems (e.g. financial, public utilities, transportation, etc.), emergency response systems (e.g. combining space-based systems with geographical information systems), and hybrid security systems. Equally welcomed are papers based on internet of things and ICS/SCADA systems security, cyber-physical systems security, pervasive computing and body wearable health devices. Papers on security for cognitive systems, robotic and unmanned vehicle system security, personal mobile or wireless security, biometrics and forensics can also be submitted.

Papers may present advances or research reports in the theory, design, implementation, analysis, verification, or empirical evaluation and measurement of secure systems. Educational and training content, practical labs and guidelines are also appreciated. Topics of interest include but are not limited to:

- Accountability and non-repudiation
- Attribute-Based Encryption (ABE)
- Authorization, authentication and access control
- Binary exploitation and defenses
- Biometrics and Forensics
- Cloud security and privacy
- Cyber-physical systems security
- Distributed systems security
- Elliptic Curve Cryptography (ECC)
- Embedded systems security
- Functional Encryption – Identity-Based Encryption (IBE)
- Homomorphic Encryption
- ICS/SCADA systems security
- IoT and personal devices security and privacy
- Lattice-Based Cryptography
- Malware and unwanted software
- Network and systems security
- Pairing-Based Cryptography
- Privacy technologies and mechanisms
- Secure Communications
- Security by design and secure architectures
- Simulation of security protocols
- Symmetric Key
- Systems-of-Systems (SoS) Security and Reliability
- Web and mobile security

### SUBMISSION GUIDELINES

CryptoBG\*2017 International Summer School with Symposium welcomes papers (lectures and research reports) and workshop or labs guidelines. **Final drafts (or extended abstracts, by exception) should be submitted as .doc at [info@cryptobg.org](mailto:info@cryptobg.org) not later than June 25, 2017!**

The selected papers will be published in **CryptoBG International Summer School with Symposium Proceedings** as a special issue of the *Information and Security: An International Journal* (ISSN 0861-5160, e-ISSN 1314-2119) (link: <http://procon.bg/view-volumes>).

Authors must follow the manuscript preparation guidelines from in the current document and use the [I&S template](#) in preparing their contribution. Submissions should be of length between 10 and 15 pages in the journal template. For longer or shorter contributions, please consult the CryptoBG\*2017 Organizing Committee and the Editor of this special volume.

### [Call for Papers]

We accept only original works. It is understood that submitted articles have not been previously published and are not currently under review for publication elsewhere. Manuscripts are checked for plagiarism and reviewed by at least three reviewers for significance and scholarliness.

"Information & Security" is an open-access journal, with no publication charges for authors. However when a paper is accepted, the authors need to provide a fully formatted version for publication following the journal guidelines (download the I&S template) and in a publishable English language. If that is not the case, there is a charge for editing and/or formatting a paper accepted for publication.

Accepted manuscripts may be further edited for adherence to Journal format and style, clarity, syntax, and punctuation.

Authors must transfer copyright in writing to the publisher when an article is accepted for publication.

A print-ready paper is assigned a [DOI](#) (Digital Object Identifier), published online as a pre-print and included in [CrossRef](#). All I&S articles are indexed in [EBSCO](#), [ProQuest](#), and [Google Scholar](#). When the whole journal issue is ready, page numbers are added to the paper's bibliographic information, while the DOI and the URL remain the same.

**IMPORTANT:** Use endnotes numbered consecutively as referenced in the text. Endnotes should follow [The Chicago Manual of Style](#). A template for contributions is available [here](#).

### CONTACT INFORMATION

Please address your questions to the Organization Committee at +359883421983 or [info@cryptobg.org](mailto:info@cryptobg.org) or contact Dr. George Sharkov at [gesha@esicenter.bg](mailto:gesha@esicenter.bg)