

TÁrgy: FW: DECSoS'16 notification for paper 11

FeladA: Plosz Sandor <Sandor.Plosz.fl@ait.ac.at>

DÁtum: 2016. 06. 16. 9:00

CÁmzett: "hegeduscs@aitia.ai" <hegeduscs@aitia.ai>, Pal Varga <pvarga@tmit.bme.hu>

From: DECSoS'16 [decsos16@easychair.org]
Sent: Wednesday, June 15, 2016 9:59 PM
To: Plosz Sandor
Subject: DECSoS'16 notification for paper 11

Dear Sándor Plósz,

Congratulations! We are pleased to inform you that your paper, number 11, titled

Advanced Security Considerations in the Arrowhead Framework

has been accepted for inclusion in the program of the DECSoS Workshop on Dependable Embedded Cyber-physical Systems and Systems of Systems (DECSoS 2016), which will be held in Trondheim, Norway, on September 20 along with SAFECOMP 2016 (September 20-23, 2015).

All submissions were rigorously reviewed by at least three PC members. Based on the reviews and discussions we finally accepted 11 papers.

Please find your paper's reviews below. We ask that you do your best to address the points raised by the reviewers when preparing the final, camera-ready version of the paper. In particular, please seek help with language issues if this has been highlighted as a concern in your reviews.

Please note also that camera-ready papers were due by June 20, 2015. This I now very close, but since most review comments imply no dramatic changes this should be possible for most of you. If not, e.g. because of more changes required or individual reasons, please notify me (erwin.schoitsch@ait.ac.at), in such cases we can extend a little bit. At least one author of accepted papers must register for the workshop. The upload of the final papers is possible when a tab "proceedings" is available and a form is there indicating Source file, pdf and Copyright form (presumably within one or two days from now).

Please stick to the Springer LNCS style guidelines, otherwise a paper may be excluded in this process.

(<http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>).

Besides a pdf-file and the Copyright form, the LaTeX (.zip-Archive) or Wordfile (source files) have to be submitted as well because Springer reserves the right to reformat if required for publication purposes and to put it into their digital library.

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Please define one author who will be responsible for a final check of the .pdf after Springer has done the editing for publishing reasons.

If there are any remaining questions, please contact the chairpersons!

Looking forward to seeing you in Trondheim!

Best regards,

Erwin Schoitsch (erwin.schoitsch@ait.ac.at),
Amund Skavhaug (amund.skavhaug@ntnu.no)
DECSoS Chairpersons

----- REVIEW 1 -----
PAPER: 11

TITLE: Advanced Security Considerations in the Arrowhead Framework

AUTHORS: Sándor Plósz, Csaba Hegedűs and Pál Varga

----- OVERALL EVALUATION -----

The paper gives a brief description of the Arrowhead framework and the security issues in connection with using multiple clouds. It addresses how to manage certificates that shall be valid and usable between local clouds.

The approach is not radically new, but it does appear to be a feasible solution.

The text has some flaws:

1. In the third paragraph of the introduction it states "... the Arrowhead Framework has to provide strict authentication and authorization capabilities (AA). These functionalities are inadmissible, considering ..." The word "inadmissible" (=forbidden) is probably a mistyping; my guess is it ought to be "indispensable".
2. In section 2.3 it states "The Authorization System ... covers some other security-related issues as well" but doesn't make any indication of which other issues are meant.
3. In section 4.1 reference is made to "Fig. 4.1". It should be Fig. 5
4. At the end of section 4.1 the French quote is misspelled: "lar't" should be "l'art" both times
5. Section 4.2 has a broken reference: "... certificate heirarchy introduced in refcerthier"

----- REVIEW 2 -----

PAPER: 11

TITLE: Advanced Security Considerations in the Arrowhead Framework

AUTHORS: Sándor Plósz, Csaba Hegedűs and Pál Varga

----- OVERALL EVALUATION -----

Good well written and structured paper giving a good overview of security mechanisms for readers with only a basic knowledge of security.

Need to expand abbreviations when first used (e.g. TLS, IPsec)

Figures need enlarging as text is too small to read (i.e. fig 1, 2, 3, 4)

Fig 1 needs to have labels on clouds.

Not sure if Fig 5 is a figure but just text

Section 4.2 para 6: 'introduced in section refcerthier'. Need to put in section number.

Section 5 (Summary): Could include future work and where framework is used or intended to be used

Ref 3 is described as 'to appear'. Probably need to delete reference if it is not available or pointer to where it will be published.

----- REVIEW 3 -----

PAPER: 11

TITLE: Advanced Security Considerations in the Arrowhead Framework

AUTHORS: Sándor Plósz, Csaba Hegedűs and Pál Varga

----- OVERALL EVALUATION -----

The paper presents the results of a relevant research project. The mechanisms for orchestrating the security mechanisms in complex systems are quite clearly explained, though at a high-level of detail.

The paper is interesting, however I think it is important to provide some references to other EU funded research projects - like SHIELD (pSHIELD and nSHIELD) - addressing similar issues like semantic modeling of SPD (Security Privacy and Dependability) in complex heterogeneous embedded systems, SPD metrics and middleware-based SPD measurement and orchestration of SPD tools. The similarities and differences about the two approaches should be highlighted.