



Erasmus Project Activities

in Brief

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PhD Mobility – Aram Kocharyan



Aram Kocharyan, Dual Degree

His thesis subject is about **memory management in a virtualized infrastructure**. The main objective is to develop a memory management service where physical memory is considered as a global resource.

- ❑ V. Nitu, A. Kocharyan, H. Yaya, A. Tchana, D. Hagimont, H. Astsatryan, Working Set Size Estimation Techniques in Virtualized Environments: One Size Does not Fit All. Proc. ACM Meas. Anal. Comput. Syst. 2, 1, Article 19 (March 2018), 21 pages. <https://doi.org/10.1145/3179422>
- ❑ A. Kocharyan, B. Teabe, V. Nitu, D. Hagimont, H. Astsatryan, Intra-node Cooperative Memory Management System for Virtualized Environments. Compas'2018, Toulouse, France, 2018
- ❑ A. Kocharyan, B. Teabe, V. Nitu, A. Tchana, D. Hagimont, H. Astsatryan, Intra-node Cooperative Memory Management System for Virtualized Environments, IEEE Proceedings of Ivannikov Memorial Workshop, Yerevan, Armenia 2018

Next visit – Finalize the PhD

PhD Mobility – Eliza Gyulgyulyan



Eliza Gyulgyulyan,
Quality Measures for User-centric System
Domain: Life Science

Administrative

- International convention for a joint supervision has been signed: Prof. Franck Ravat, Dr. Julien Aligon

Publications

- Eliza Gyulgyulyan, Julien Aligon, Frank Ravat, Hrachya Astsatryan Towards a less tedious Data Quality problem-solving in BI, Ivannikov Memorial Workshop, 2018.

PhD Mobility – Anush Hakobyan



Anush Hakobyan,

Big Data Information Retrieval to tackle Environmental Challenges

Domain: Environmental Protection

Administrative

- International convention for a joint supervision has been prepared/signed: Prof. Josiane Mothe

Publications (in preparation)

- Convolutional Neural Network Models for Air Quality Prediction Using High-Resolution Satellite Imagery, Sageo (Spatial Analysis and GEOmatics) Workshop, Montpellier, France, 2018

Master Mobility (6) – Challenges

Challenges

- Slightly different feedback
- Not enough motivated as their attendance is fluctuant and the participation feeble.
- Some prerequisites are missing.
- Some difficulties in programming.

Solutions

- To keep presence logs in IRIT
- To harmonize the curricula in ISEC
- To send only strong students from the first semester
- To stricthen regulation

Publications (submitted)

- A. Mkoyan, G. da Costa, J.M. Pierson, Hr. Astsatryan, Energy and Performance evaluations on Hadoop over RDMA, 30th International Symposium on Computer Architecture and High Performance Computing September 24-27, 2018, École Normale Supérieure, Lyon, France.

Further Activities

- New scientific disciplines for mutual collaboration
- Planning of further visits
- Selection of master students for the second year
- Strategy for better monitoring the master students
- Programme of teacher researcher mobility in association with UFAR

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Merci beaucoup

