

Christiane, KAMDEM KENGNE

PhD student

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Trace Mining & Optimization

Education

- 2011-2014 Ph.D. (ongoing)**
Interested in defining a semantic temporal distance to compare execution traces, and finding anomalies in order to help developers of multimedia applications for embedded systems.
-Supervisors : Marie-Christine Rousset (Pr.,UJF/LIG) and Maurice Tchunte (Pr.,UY1/LIRIMA)
-Co-supervisor : Noha Ibrahim (Dr., INP/LIG)
- 2008-2010 Master degree in Computer Sciences, international e-services option** (University of "7 Novembre à carthage"-Tunisia)
Online courses mainly on e-administration, e-marketing, business modeling and Human Machine Interface.
- 2006-2008 Research master degree in computer sciences** (University of Yaounde I-Cameroon)
Worked on linear algebra, specifically on preconditioners for iterative methods.

Work and Research Experience

- 2011-2014 Ph.D. candidate in SocTrace project**¹
SocTrace project aims to develop a set of methods and tools based on execution traces produced by multi-core embedded applications.
- Products Development
- Supervision : I co-supervised groups of students
(i) Master 1 Internship (1 month) : Wei Zheng on "How to manage social applications data with a graph database "
(ii) Engineer Internship (1 month) : Alexandre Bayane, Pierre Bourillet, Louis Goolen, Thomas Lutrat on "Framework to manage social web data"
- 2009-2011 Assistant lecturer**, Computer Sciences Department, University of Yaounde I
Algorithms, computer architecture and graph modeling ; Supervision of students.
- 2008-2009 Volunteer for the International Organization of la Francophonie** (AUF/CNF Niamey-Niger)
In charge of the implementation of a policy to promote open source software ; System administration ; Installation of multimedia areas ; Training ; Events planning and organization.
- August-November 2007 Research master degree Internship at IRISA** (Rennes - France)
Worked on preconditioner in iterative methods to solve linear systems at Institute for research in computer science and random systems (IRISA), **SAGE** team.

1. http://www.minalogic.com/TPL_CODE/TPL_PROJET/PAR_TPL_IDENTIFIANT/2717/15-annuaire-innovations-technologiques-nanotechnologie-systeme-embarque.htm

Publications

- Journal** 1- **SOCLE : Towards a Framework for Data Preparation in Social Applications**
Sihem Amer-Yahia, Noha Ibrahim, Christiane Kamdem Kengne, Federico Ulliana, Marie-Christine Rousset, Networking and Information Systems, 2014.(To appear)
- International conferences** 1- **Efficiently Rewriting Large Multimedia Application Execution Traces with few Event Sequences**
Christiane Kamdem Kengne, Léon C. Fopa, Alexandre Termier, Noha Ibrahim, Marie-Christine Rousset, Takashi Washio, Miguel Santana, In Proceedings of the 19th ACM SIGKDD international conference on Knowledge discovery and data mining (pp. 1348-1356), 2013.
- 2- **Distance-based Trace Diagnosis for Multimedia Applications : Help me TED !**
Christiane Kamdem Kengne, Noha Ibrahim, Marie-Christine Rousset, Maurice Tchunte : Seventh IEEE International Conference on Semantic Computing, ICSC (acceptance rate 30%), (pp. 306-309), 2013.
- International workshop** 3- **Enhancing the Analysis of Large Multimedia Applications Execution Traces with FrameMiner**
Christiane Kamdem Kengne, Léon C. Fopa, Noha Ibrahim, Alexandre Termier, Marie-Christine Rousset, Takashi Washio, In Data Mining Workshops (ICDMW), IEEE 12th International Conference on (pp. 595-602), 2012.

Languages

- English** Good working knowledge
French Native language

Others

- Programming languages** Python, C++, Java
Certification LPIC-1 Junior Level Linux Certification
Hobbies Travel, dance, humanitarian activities

References

- Marie-Christine Rousset** **Professor at UJF**
Laboratoire d'Informatique de Grenoble (LIG)
marie-christine.rousset@imag.fr, <http://lig-membres.imag.fr/rousset/>
- Sihem Amer-Yahia** **Directrice de Recherche Première Classe at CNRS**
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- Noha Ibrahim** **Associate Professor at Grenoble-INP**
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