Enrique Flores Sáez

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Education

Dept. of Computer Systems and Computation	**Universitat Politècnica de València**
PhD Candidate, PhD in Computer Science	*2012–Present*
Center for Computing Research	**National Polytechnic Institute, Mexico**
PhD Secondment, WIQ-EI project	*Aug–Dec 2012*
Lab. of Language Tecnhologies	**INAOE, Mexico**
PhD Secondment, WIQ-EI project	*Dec 2012*
Dept. of Computer Systems and Computation	**Universitat Politècnica de València**
MTech, Art. Intel., Pat. Recogn. and Digital Imaging	*2009–2012*
School of Engineering in Computer Science	**Universitat Politècnica de València**
BEng, Computer Science	*2004–2010*

Master thesis

Title: *Source code re-use across programming languages*

Supervisors: Lidia Moreno and Paolo Rosso

Description: In this work are proposed two models for source code re-use detection and their performance at mono- and cross-lingual level.

Experience

Research...

Spanish Ministry of Science and Innovation	**Universitat Politècnica de València**
Government Scholarship Researcher Training, 4 years	*2010–2014*

TEXT-ENTERPRISE 2.0: Text comprehension techniques applied to the needs of the Enterprise 2.0 (TIN2009-13391-C04-03)

Web Information Quality Evaluation Initiative	**Universitat Politècnica de València**
WIQ-Ei Project, 4 years	*2011-2015*

IRSES project (grant no. 269180) within the FP 7 Marie Curie People Framework

Appl. of Natural Language Processing to the Need of the University	**UPV**
Bilateral proyect with the University of Mentouri, 16 months	*2011-2013*

(AECID-PCI AP/043848/11)

Dept. of Computer Systems and Computation	**Universitat Politècnica de València**
Scholarship expertise, 5 months	*Jun–Nov 2010*

The main objective of TeLMoSis project is to combine advances in Human Language Technologies, particularly semantic analysis, with information system modeling.

Teaching experience

School of Engineering in Computer Science **Universitat Politècnica de València**
Subject: Information storage and retrieval systems *Jan–Jun 2014*
Teaching Assistant

School of Engineering in Computer Science **Universitat Politècnica de València**
Subject: Information storage and retrieval systems *Jan–Jun 2013*
Teaching Assistant

MISC laboratory **University of Constantine 2**
Plagiarism and re-use detection Laboratory, 1 week *Mar 2013*

idEC, Master in Forensic Linguistics **IULA-Universitat Pompeu Fabra**
Plagiarism detection Laboratory, 4h *Apr 2013*

Other

Fundación Servipoli **Universitat Politècnica de València**
General Service *2008–2010*
Collaboration in the convergence actions of the European plan.

Lectures and talks

Talk: "Detection of Cross-Language Source Code Re-use" **9 Oct 2012**
University of London *Mexico city, Mexico*

Talk: "Cross-Language Source Code Re-use" **6 Dec 2012**
INAOE *Puebla, Mexico*

9th Workshop of Human Language Technologies **18-19 Oct 2012**
INAOE *Puebla, Mexico*

Talk: "Plagiarism and re-use detection" **2 Mar 2012**
Constantine, Algeria *University of Constantine 2*

Events and conferences

CLEF 2013: Member of Local organizing committee   *Conference and Labs of the Evaluation Forum*
CERI 2012: Member of organizing committee   *2nd Spanish Conference on Information Retrieval*
SWERC 2012: Judge Committee Member   *Southwestern Europe Regional Contest*
CLOCALPROG 2013: Judge Committee Member   *Local programming competition - UPV*
CLOCALPROG 2012: Judge Committee Member   *Local programming competition - UPV*

Languages

Spanish: Mother tongue   *High school degree*
Valencian: C1 - Mother tongue   *Grau mitjà Junta Qualificadora Coneixements en Valencià*
English: B1   *Oficial school of idioms*

Programming skills

Languages: Java, C++, Python, Unix Shell, GNU Octave, Matlab, LISP, SQL, MySQL, HTML, XML, Haskell, Prolog

Software: Lucene, Weka, NLTK, Apache, Tomcat, SVN

Additional training

XML course: Centro de Formación Permanente - Universitat Politècnica de València, Spain

Programming with Microsoft Visual BASIC.Net: Centro de Formación Permanente - Universitat Politècnica de València, Spain

Typewriting course: Informeca, L'Alcudia,Valencia, Spain

Publications

Enrique Flores, Alberto Barrón-Cedeño, Paolo Rosso, and Lidia Moreno. DeSoCoRe: Detecting source code re-use across programming languages. In *Proceedings of the Demonstration Session at the Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies*, pages 1–4. Association for Computational Linguistics, 2012.

Enrique Flores, Alberto Barrón-Cedeno, Lidia Moreno, and Paolo Rosso. Cross-language source code re-use detection. In *Proc. 3rd Spanish Conf. on Information Retrieval, CERI-2014*, pages 145–156, 2014.

Enrique Flores, Alberto Barrón-Cedeño, Lidia Moreno, and Paolo Rosso. Uncovering source code reuse in large-scale academic environments. Wiley Online Library, 2014. doi: 10.1002/cae.21608.

Enrique Flores, Alberto Barrón-Cedeno, Paolo Rosso, and Lidia Moreno. Detección de reutilización de código fuente entre lenguajes de programación en base a la frecuencia de términos. In *IV Jornadas TIMM Tratamiento de la Información Multilingüe y Multimodal*, pages 21–26, 2011.

Enrique Flores, Alberto Barrón-Cedeno, Paolo Rosso, and Lidia Moreno. Detecting source code reuse across programming languages. In *27th Conference of the Spanish Society for Natural Language Processing (SEPLN 11)*, 2011.

Enrique Flores, Alberto Barrón-Cedeño, Paolo Rosso, and Lidia Moreno. Towards the detection of cross-language source code reuse. In Rafael Muñoz, Andrés Montoyo, and Elisabeth Métais, editors, *Natural Language Processing and Information Systems*, volume 6716 of *Lecture Notes in Computer Science*, pages 250–253. Springer Berlin / Heidelberg, 2011. doi: 10.1007/978-3-642-22327-3_31.

Enrique Flores, Martin Ibarra-Romero, Lidia Moreno, Grigori Sidorov, and Paolo Rosso. Modelos de recuperación de información basados en n-gramas aplicados a la reutilización de código fuente. In *Proc. 3rd Spanish Conf. on Information Retrieval, CERI-2014*, pages 185–188, 2014.

Enrique Flores, Paolo Rosso, Lidia Moreno, and Esaú Villatoro-Tello. PAN@FIRE: Overview of SOCO track on the detection of SOurce COde re-use. In *FIRE (ed.): FIRE 2014 Working Notes. Sixth International Workshop of the Forum for Information Retrieval Evaluation*, Bangalore, India, 2014.