Enrique Flores Sáez

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Last update: 28th July 2015

Education

Dept. of Computer Systems and Computation	**Universitat Politècnica de València**
PhD Candidate, PhD in Computer Science	*2012–Present*
Lab. of Language Tecnhologies	**INAOE, Mexico**
PhD Secondment, WIQ-EI project	*Feb–May 2015*
Center for Computing Research	**National Polytechnic Institute, Mexico**
PhD Secondment, WIQ-EI project	*Jan 2015*
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

PRHLT Research Center	**Universitat Politècnica de València**
Senior Technician, 5 months	*2015*
DIANA-APPLICATIONS - Finding Hidden Knowledge in Texts: Applications (TIN2012-38603-C02-01)	
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 FP7 Marie Curie People Framework	

Appl. of Natural Language Processing to the Need of the University   **UPV**
Bilateral project, 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

Computers and code: The coding world   **Jun 2015**
Universitat Politècnica de València   *School of Engineering in Computer Science*

Can we automatically detect plagiarism?   **Jun 2014**
Universitat Politècnica de València   *School of Engineering in Computer Science*

Talk: "Source Code Re-use Plagiarism Detection"   **30 Jan 2015**
Universidad Autónoma Metropolitana   *Mexico city, Mexico*

Talk: "PAN@FIRE: Detection of Source Code re-use (SOCO)"   **30 Jan 2015**
Universidad Autónoma Metropolitana   *Mexico city, Mexico*

Talk: "Source Code Re-use Plagiarism Detection"   **23 Jan 2015**
Universidad Autónoma del Estado México   *Toluca, Mexico*

Talk: "PAN@FIRE: Detection of Source Code re-use (SOCO)"   **23 Jan 2015**
Universidad Autónoma del Estado México   *Toluca, Mexico*

Doctoral Consortium: "Cross-Language Source Code Re-use Detection"   **Jun 2014**
V Jornadas Tratamiento de la Información Multilingüe y Multimodal (TIMM)   *Sevilla*

Computers and code: The coding world   **Jun 2015**
Universitat Politècnica de València   *Doctoral Consortium*

Talk: "Cross-Language Source Code Re-use"   **6 Dec 2012**
Instituto Nacional de Astrofísica, Óptica y Electrónica   *Puebla, Mexico*

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
Instituto Nacional de Astrofísica, Óptica y Electrónica — *Puebla, Mexico*

9th Workshop of Human Language Technologies — 18-19 Oct 2012
Instituto Nacional de Astrofísica, Óptica y Electrónica — *Puebla, Mexico*

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

Events and conferences

*SEM 2015: Publication Co-Chair   *The fourth joint conference on lexical and computational semantics*
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 2013: Judge Committee Member   *Southwestern Europe Regional Contest*
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

E. Flores, A. Barrón-Cedeño, L. Moreno, and P. Rosso, "Uncovering source code reuse in large-scale academic environments," *Computer Applications in Engineering Education*, vol. 23, no. 3, pp. 383–390, 2015.

E. Flores, P. Rosso, L. Moreno, and E. Villatoro-Tello, "PAN@FIRE: Overview of SOCO track on the detection of SOurce COde re-use," in *Sixth Forum for Information Retrieval Evaluation (FIRE 2014), Bangalore, India*, 2014.

E. Flores, A. Barrón-Cedeño, L. Moreno, and P. Rosso, "Cross-language source code re-use detection," in *Proc. 3rd Spanish Conf. on Information Retrieval, CERI-2014*, pp. 145–156, 2014.

E. Flores, M. Ibarra-Romero, L. Moreno, G. Sidorov, and P. 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*, pp. 185–188, 2014.

E. Flores, A. Barrón-Cedeño, P. Rosso, and L. 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*, (Montréal, Canada), pp. 1–4, Association for Computational Linguistics, June 2012.

E. Flores, A. Barrón-Cedeño, P. Rosso, and L. Moreno, "Towards the detection of cross-language source code reuse," in *Natural Language Processing and Information Systems*, vol. 6716 of *Lecture Notes in Computer Science*, pp. 250–253, Springer, 2011.

E. Flores, A. Barrón-Cedeno, P. Rosso, and L. Moreno, "Detección de reuso de código fuente entre lenguajes de programación con base en la frecuencia de términos," *IV Jornadas TIMM Tratamiento de la Información Multilingüe y Multimodal 7 y 8 de abril*, p. 21, 2011.