

Achraf El Allali

CONTACT INFORMATION	Department of Computer Science College of Computer and Information Sciences, King Saud University, Building 31 Office 2119 P.O Box 11543 Riyadh, 11543 KSA	<i>Office:</i> +966-11-4696078 <i>E-mail:</i> aelallali@ksu.edu.sa <i>WWW:</i> fac.ksu.edu/aelallali/home
RESEARCH INTERESTS	Computational Biology, Genomics, Metagenomics, Next generation sequencing, Proteomics, Gene Finding.	
EDUCATION	University of South Carolina , Columbia, South Carolina USA Ph.D., Computer Science and Engineering, January 2006 - December 2012 <ul style="list-style-type: none">• Dissertation Topic: “Gene Finding in Genomics and Metagenomics” University of South Carolina , Columbia, South Carolina USA M.E., Computer Engineering, January, 2005 - December, 2005 University of South Carolina , Columbia, South Carolina USA B.S., Computer Engineering, January 2002 - December, 2004 GPA 4.0	
ACADEMIC PROFESSIONAL EXPERIENCE	Assitant Professor College of Computer and Information Sciences, Department of Computer Science, King Saud University, KSA	Aug., 2013 - present.
	Postdoctoral Fellow College of Engineering and Computing, Department of Computer Science and Engineering, University of South Carolina, USA	Jan., 2013 - Jul. 2013.
	Research Assitant/Teaching Assistant College of Engineering and Computing, Department of Computer Science and Engineering, University of South Carolina, USA	Jan., 2005 - Dec. 2012.
	Teaching Assistant College of Arts and Sciences, Department of Mathematics, University of South Carolina, USA	Jan., 2002 - Dec. 2004.
OTHER PROFESSIONAL EXPERIENCE	Journal Reviewer , IEEE/ACM Transactions on Computational Biology and Bioinformatics Technical Program Committee The 2nd International Conference on Biomedical Engineering and Biotechnology (iCBEB 2013)	
INVITED LECTURES	Keynote Speaker , Conference on Integrative Biology Summit. August 04-05, 2014 Keynote Speaker , International Bio-Metrics and Smart Government Summit. March 22-24, 2014. Speaker , SC INBRE Bioinformatics Research Symposium, January 18-19, 2009	

ONGOING SUPPORT	<p>Achraf El Allali (P.I) Fouzi Harag (co.I)</p> <p>Deanship of Scientific Research, King Saud University.</p> <p>MGC 2.0: A Metagenomics gene caller.</p> <p>Role: Principal Investigator.</p> <p>The goal of this reseach is to improve of the metagenomics gene caller MGC.</p>	04/01/2014 - 03/30/2015.
STUDENT SUPERVISION	<p>PhD. Students:</p> <p>Dissertation Title: An automated identification and classification system for selected freshwater algae in KSA.</p> <p>Dissertation Title: Copy Number Variation Detection in Next Generation Sequencing.</p> <p>MSc. Student:</p> <p>Thesis Title: Genetic Algorithms for Feature Selection and their Application to Microarray Gene Expression Data.</p> <p>Bachelors Senior Project:</p> <p>Project Title: MGCapp: A metagenomics gene calling application.</p> <p>Number of Students: 3</p>	
PUBLICATIONS	<p>El Allali, A. and J.R. Rose. MGC: A Metagenomic Gene Caller, BMC Bioinformatics, 14 Suppl 9:S6. doi: 10.1186/1471-2105-14-S9-S6. Epub 2013 Jun 28.</p> <p>El Allali, A. and J.R. Rose. 2012. MGC: Gene calling in metagenomic sequences. International Symposium on Bioinformatics Research and Applications.</p> <p>El Allali, A. and J.R. Rose. 2010. MIM: A Species Independent Approach For Classifying Coding And Non-coding DNA Sequences In Bacterial And Archaeal Genomes, 136-143. International Conference on Bioinformatics and Computational Biology.</p> <p>Rose, J.R and A. El Allali. 2008. Mutual Information Measure for Distinguishing Coding and Non-Coding DNA Sequences. International Conference on Bioinformatics Computational Biology.</p> <p>Davis J.P., K. Walker, A. El Allali, M. Haggard and C. Yue. 2006. Modeling Adaptive Self-Organizing Wireless Networks: Methodology and Experiments; pp. 131-190, Chapter 8, in Li, W., and Y. Xiao (eds.), Adaptation Techniques in Wireless Multimedia Networks, Nova Science Publishers, Hardcover, ISBN 1-59454-883-8.</p> <p>Ali, S., J.P. Davis, A. El Allali, B.D. Young. 2006. Stereotyping for Register-level Soc Custom Logic Kernel Design: Integrating Algorithmic State Machines into UML. Design Automation Conference.</p> <p>Vargas J.E., N. Johnson, K. Walker, A. El Allali, and C. Leehaug. 2004. Mobile Health Monitoring System. 26th International Conference IEEE EMBS.</p>	
HONORS AND AWARDS	<ul style="list-style-type: none"> • ISBRA Travel Grant, 2012. • University Classroom Teaching Certification, 2007. • Computing Research Association: Honorable mention, 2005. • University of South Carolina: Received B.S with the Summa Cum Laude Honor, 2004. • Microsoft Windows ChalengeE Successful Contestant, March 21 2004. • University of South Carolina: President's and Dean's Lists, 2002-2004. • Nouveau Lycee High school: Received Baccalaureate with the Summa Cum laude Honor, 2001. • Ranked fourth place at the national Math Olympics in Morocco, 2000. 	