

NEWS 'N' VIEWS

Department of Computer Science

November December 2012

We Aim To Inspire You

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Research Activities In CS Department

- An ISI Indexed research paper entitled “**Understandability Assessment of Concrete and Parametric Test Cases with Respect to Time and Correctness Ration Measures**” was accepted in the “Journal of Basic and Applied Scientific Research” in December 2012, submitted by the following computer science faculty members Touseef Tahir, Ali Jaffar, Sobia Zaheer, M. Khurram Afzal, Munib Ahmad, Jawad Shafi.
- An ISI Indexed research paper entitled “**An Alternate Encapsulation and Implementation of DCCP for Multimedia Applications**” was accepted in the “Journal of Basic and Applied Scientific Research in December 2012, submitted by the following computer science faculty members Jawad Shafi, Rab Nawaz Jadoon, Syed Asad Hussain, Usman Ashraf, Munib Ahmad, Touseef Tahir.
- A research paper of Mr. Rana Muhammad Ajmal entitled “**Video Summarization: Techniques and Classification**” was published by Springer in ‘Lecture Notes in Computer science’ in November, 2012.



Urban Unit, P & D Department Visit in CS Department

A group consisting of four members from Urban Unit, P & D department, Lahore visited HOD office in order to request the participation of a team of (3-4) students from Computer Science Department CIIT, Lahore in the IT compe-

tion “Hackathon” being held on December 01-02-2012 at Punjab Information Technology Board, Lahore.



Visit of Microsoft Innovation Centre Members



Two Persons from Microsoft Innovation Centre, Lahore delivered a seminar on Windows 8 applications on 28.11.12 in seminar room of A-block almost 150 plus students from

Computer Science Department and faculty attended this seminar to share their ideas and attended the lecture on windows 8 applications.

Awards and Competitions



The students of computer science department secured 1st position in E-Gaming Competition and 2nd position in Poster Competition of VisionSpark@2012 at CIIT Wah. More than 24 Universities/

Institutes participated in the event from all over Pakistan. Teams from almost all CIIT campuses also participated in the event, only CIIT Lahore campus secured two positions in two different categories.



New Joining\Hiring

Two new faculty members **Dr. Tayyaba Anees** and **Dr. Hamid Turab** joined as Assistant Professor in Department of Computer Science in December 2012.



Frontier of Information Technology (2012)

Faculty members and Graduate / Undergraduate students from Computer Science Department participated in FIT-2012 at Islamabad from Dec 17-19, 2012 .



External IT News and Relevant work

1. Computer science colloquium

A computer science colloquium was arranged by Dr. Muhammad Shoaib Sehgal in University of Management and Technology on Friday 4th January, 2012. The title of the topic was

“How Modern Search Engines Work? - An Overview of Multi-Billion Dollar Industry “

This talk presented the idea how modern search engines works? In addition, it also touched different areas, such as, how increasing competition in the market after the introduction of Bing has further fueled in innovation to change the search engine landscape. Muhammad Shoaib Sehgal is an Applied Researcher at Microsoft Corporation. He is currently working as a Machine Learning expert in the Bing relevance team. The main focus of his work is query understanding and reformulation to improve search relevance. A computer science colloquium was arranged by **Dr. Sarfraz Khurshid** in University of Management and Technology on Friday 14th December 2012. The title of the topic was

Systematic Software Testing Using Logical Constraints

This talk gave an overview of the systematic approach for software testing using constraints that was originally co-invented by the speaker about a decade ago and has been the focus of a number of subsequent projects. The key idea was to represent desired properties of complex test inputs as logical constraints and to solve them for systematic enumeration of tests. The approach has found bugs in several software applications, including Google Chrome web browser, Eclipse and NetBeans refactoring engines, Sun Javac compiler, NASA Java PathFinder model checker, Oracle 11g database management system, and a resource discovery architecture developed at MIT.

Sarfraz Khurshid is an Associate Professor in the Department of Electrical and Computer Engineering at the University of Texas at Austin, where he leads the Software Verification and Testing Research Group. His current research focuses on software testing, model checking, specification languages, code conformance, data structure repair, and heuristics for software analysis. He is a recipient of the ACM SIGSOFT Impact Paper Award for 2012, two ACM SIGSOFT Distinguished Paper Awards (ISSTA 2002 and ICSE 2010), a Best Research Paper Award (ASWEC 2009), and an NSF CAREER Award (2009).

Teradata Pakistan IT Excellent Awards

Teradata Pakistan Announced Calls for Nomination for 11th Teradata National IT Excellence Awards in Dec, 2012. Teradata Pakistan is a company solely focused on data warehousing and enterprise analytics has announced the call for nominations for its annual **Teradata National Information Technology Excellence Awards**. Last date for sending nominations is 6th, Jan 2013.

Following award categories were declared:

- Excellence in IT Business Intelligence
- Excellence in Software Export
- Excellence in Software Development
- Excellence in Networking
- Excellence in IT Education
- Excellence in IT enabled Service Offering
- Excellence in Project Management
- Excellence as an IT Student
- Excellence in IT Research & Development
- Excellence in IT Media & Publication
- Lifetime Achievement Award.
- CIO of the Year.



Bogus Journal

An interesting news and fact for the research scholars is that the website www.sciencesarchives.com for the impact factor journal "Archives des Sciences" is fake. This fact was only possible to come out because the original journal did not have a website and this fact was exploited by the fake website by using the original ISSN number and other publisher details.

The details are available at: <http://archivesdessciences.wordpress.com/2012/07/12/bogus-archives-des-sciences-web-site/> and the original website that the publishers have now put up in September is <http://www.unige.ch/sphn/>

Please be extra careful when dealing with not very well known journals.

National Grassroots ICT Research Initiative (2012 - 13)

National ICT R&D Fund is inviting nominations for its recently launched program “**National Grassroots ICT Research Initiative (2012 - 13)**”. The program aims to provide financial assistance to undergraduate students of chartered Public and Private Universities enrolled in ICT related disciplines and currently undertaking Final Year Projects (FYPs). The nominations of FYPs may be furnished on prescribed “**Final Year Project (FYP) Nomination Form**” through respective Head of Departments.

