The right way to horizon -- COMCS Summer Edition -- June to September In This Issue News CIIT Faculty's Participation 1. Convocation . Honors, Views and Profile Conferences Publication Research & Development CIIT students' participation 10 . Scholarships & General Articles Visiospark 11. Liaison & Seminars 6. Start of New Semester 12. Rector's Assignment Patron: Dr. Shaukat Ali Hayat Head: Dr. Syed Asad Hussain Chief Editor: Dr. J. S. Mirza Editors: Ms. Sana , Mr. Nasir CONVOCATION May 16, 2009 Convocation at CIIT Lahore was held on ${f May 16}, 2009$ wt great fanfare. The chief guest was the CM of Punjab, Mian Muhammad Sharif, who, for his myriad engagements, could not find time to attend. In his place, on the request of CM, Sardar Zulfiqar Ali Khosa, advisor to CM attended . A total of 281 graduates from 9 degree programs received their degrees. Besides the chief guest following celebrities were also present Chancellor, Mr Azam Khan Swati. Minister for Science and Technology Executive Director of CHT, Dr Imtinan Elahi Qureshi Rector C∏T, Dr Junaid Zaidi Director CIIT Lahore, Dr Shauklat Ali Hayat. A conspicuous point mentioned in the speeches of Dr Azam khan Swati and Mr Zulfigar Ali Khosa was that the educational efforts of CIIT Lahore must be appreciated and the institute should be enabled to acquire ownership of the present campus.

The Rector **Dr Junaid Zaidi** wisecracked that while some 400 years ago a Mughal Emperor was busy building Taj Mahal in

Agra, the Britain was building its Oxford University at the same time and the difference in their achievements is crystal clear. Oxford is shining beams of knowledge and progressing while Taj Mahal is fighting a war of survival.

Computer Science Department

The rector also advised new graduates that if anyone found difficulty in getting a job he should immediately contact director who would do his best to find a suitable job. The convocation was followed by a dinner. CONFERENCES

 5th International Conference on Emerging Technologies (ICET) 2009 Islamabad, Pakistan October 19-20, 2009 Web Site :- http://www.ieeeicet.org/ Email: icet2009@nu.edu.pk

 Frontiers of Information Technology FIT 2009, December 16-18, 2009 Abbotabad, Pakistan. FIT 2009 Asif Kabani, Internet governance specialist from Geneva, Switzerland –to- pakgrid "It is indeed a pleasure reading about the FIT 2009. Suggestion is that you should include a theme namely Internet Governance, as this topic is very important in today's IT world, As an UN Expert in the field of Internet Governance (IG) I can assure you that your nation has the potential to lead in this filed that has direct relation with Economic, Social,

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2nd Position in "Quiz Competition" 2nd Position in "Speed Programming"

2nd Position in "Graduate Poster Competition"

Following major areas were discussed:

characters encountered in an IDN

IMRAN RAZA PULLED IT OFF

the dept an indelible glory. Salutes to Imran Raza.

By Afzal Bajwa

Karachi Institute.

1. Characters required to represent languages of Pakistan

Choice of digits (dash vs dot) for domain names

Confusable characters within a language and across languages.

HONORS

mention promotions and projections, only because it was in an experimental phase"

poster design, speed programming quiz, video conferencing etc will be implemented.

held at Technical University Ilmenau, Germany. It was a fully funded program by DAAD (German Academic Exchange Service). This summer academy exclusively devoted itself to

VŒWS

PROFILE

PROF. DR.MUHAMMAD RAFIQ ASIM OF THE CS DEPARTMENT

"A leader is one who knows the way, goes the way, and shows the way."

By Dr Muhammad Rafiq Asim, Dean FIST, CHT.

stocked with newer additions.

Leads, England, UK.

Mathematics from University of Punjab Lahore.

incomplete if we do not quote some of his sayings

MAHDI BLOCH-TO- PAKGRID

2. PAKISTAN USED TO BE ON TOP

CARTESIAN AD HOC ROUTING

Sciences, Islamabad this year.

[3] PhD School: http://ict.unitn. it/

[6] fausto@DISI. UNITN.IT

By Muhammad Yasir

watchdog's laws.

Lancaster University .

this fall semester.

(FPAP)- - - IPPF London.

Regional Director Lahore, Mr Khalid Qureshi Country Manager, HIV AIDS Dr Rizwan Baig

Venue was Video Conference Room, C-Block, CIIT Lahore.

RECTOR'S ASSIGNMENT

START OF NEW SEMSTER

at 3:00 PM live from University of Essex.

science department expressed his thoughts on:

Inculcate creativity 7. Approach industry 8. Be socially responsible

9. Tap funs

Also present were:

[4] Online application for PhD Positions: [5] http://disi. unitn.it/ edu/appform/ login.xml

learn.

"Free... open... Keep one Web," said Berners-Lee.

Mr Imran Raza, lecturer at COMSATS Lahore, recently participated in a 15-day summer academy

A PAKISTANI FROM UK HAS THE HONOR TO TOP GOOGLE'S MAPS EXPERIMENT

2nd Position in "Undergraduate Poster Competition"

To name a few a number of participating universities were: Sargodha University, Gift University Gujranwala, almost all campuses of CIIT, UET Taxila, BZU Multan,

Islamia University Bahawalpur, Fast Islamabad, EME Islamabad and NUST.

JOBS The companies have approached CIIT Lahore for fresh or experienced computer science graduates for employment. The details

Technological, Legal and other areas of IT. Feel free to contact me you need any of my support to judge the contents of

papers on IG/ICT."

are given below. careers@softech.com.pk 0321411 1994

0321 4111994 NETSOL. looking for 10 seasoned developers having following experience. Joining is required ASAP. 2-5 years experience Tools & Technology: Microsoft .Net (Enterprise Application Development) Good OOP & data base concepts are must. Understanding of presentation tier like web forms, controls and page life

cycle is a must. Basic concepts of IIS like worker process and web farms are required. Good Understanding of Windows Communication Framework is required. Understanding of Microsoft MVC framework is a plus Understanding of ORM (like NHibernate) is a plus J2EE experience is a plus.

Contact Dr Sarmad Hussain, CS Dept Knowledge of Java preferred E-WORKS INTERNATIONAL CV to Mr Atif Tufail Human Resource Manager Two Developers wanted Experience may be nil Atif.tufail@aajtech.com

Ph. 0300 949 5206 042 531 5091-3 Knowledge of Dotnet preferred CIIT STUDENTS' PARTICIPATIONS 11 May 2009

Fourteen students of CS dept, CIIT Lahore, were led by their lecturer, ${f Mr~Mazhar}$ to a competition ${f Vision~ICT}$ held at ${f CIIT}$ Abbottabad on 10 and 11 May 2009. Under the umbrella of Vision ICT, a competition, Technomoot, for quiz, speed programming, and poster design was also held. The students of CS dept, CIIT Lahore Campus won the following positions:

A number of universities participated in the competition; to name a few, UET Peshawar and Taxila campuses, MAJU, Fed. Urdu University, All campuses of CIIT also participated VISIOSPARK 18 May 2009 A project competition "VisioSpark" was held at CHT Wah on 18 May 2009, wherein projects from various universities were presented. Mr Imran Raza, lecturer from CS dept CIIT Lahore led his CS students. A total of 39 projects were presented.

27 May 2009 CIIT FACULTY'S PARTICIPATION Dr Asad Hussain, HOD of CS department CHT Lahore, who is also a member of Board of Studies of Mechanical Eng of CIIT Sahiwal attended the Board's meeting on Wed, 27/5/9. • Dr Mirza attended a whole day workshop on: Internationalized domain names for Pakistani languages

ISN ccTLD string for Pakistan and gTLD translation Procedures / guidelines for the correct resolution of these

on May 15,2009, Fri at National University of Computer and Emerging Sciences, Faisal Town, "Lahore.

"According to Lalit (an Indian IT expert form Bangalore) , a Pakistani based in London has posted MOST FREQUENT EDITS to the Google's Map Maker, which is a user-operated software. It updates information as to the maps of the street roads etc instantly after a user sitting anywhere in the world within 160 countries posts an edit to the live Map Maker. According to the father of 'Map Maker', Google Geo project was stepping forward to actively involve state organizations, non-governmental organizations and community leaders to further this three dimensional activity involving maps, satellite view and street view

Google so far did nothing about even creating awareness of this software available to the users in the 160 countries, not to

Who in the domain of computer science has not heard the illustrious name of ACM. The CS dept of CIIT Lahore prides itself in initiating a new students chapter of its own. Prior to our chapter 12 student chapters existed in Pakistan, one each in CIIT Islamabad, FJWU Rawalpindi, UET Lahore, FAST Lahore and Islamabad, UITCS, SZABIST, GCU, Uni. of Karachi, PAK

The sponsor of the chapter is Mr Imran Raza, lecturer CS dept, who in a short span of two months pulled off a enviable achievement single handedly. Subsequent to the generation of this idea he set out to fulfill the requirements of ACM. He obtained professional membership of the society for himself and convinced 10 students of the department to obtain student membership. He arranged students election for Chair, Vice Chair, Treasurer and Secretary and with hubris. He rightly deserved attained for

The ACM chapters happen to be two types: Professional one, which exist in 38 countries, and students chapter which are in 28 countries. The CIIT Lahore chapter happens to be 12th in Pakistan. The main chapter's advantage includes encouragement to students of the department to lift the burden on their shoulders of academic activities and regularize them. The students are currently drawing plans for the full year ahead of them for submission to the ACM. Events like summer camp, competition of

"Mobile communication: new research challenges and issues" for which various discussion, lectures and demonstrations arranged at various places in Germany. Out of 150 applicants from across the globe only 20 were selected . The lone Pakistani in

the summer academy, Mr. Imran Raza, also represented Pakistan in a cultural show arranged by the said academy

IS NOT IT A SHEER PRETENCE? Right from the Ex Governor Mr. Maqbool to a low level functionary in academia, then and now, almost everyone saw a dire need of collaboration between institutions and openly and vociferously pleaded for that. That is, a faculty from one institution should provide his expertise to other institutions if and when it needs it. Alas it is only a pretense on the part of institutions; the reality is not a single institution is prepared to lend its faculty members to other institutions. In such an environment of discouragement we are stifling the growth of research. Can we, the institutions, come to our senses.

Dr. Muhammad Rafiq Asim is Dean Faculty of Information Sciences and Technology COMSATS Institute of Information Technology. He joined COMSATS in September 16, 2004. He has been vociferous advocate of employment of CS and related technologies for the uplift of society. He expressed that best minds should be employed for research and development. He has a view that short courses can be initiated at the department which would create not only revenue but also act as advertisement of the department. He thinks that programming teachers should be provided assistance of RAs and TAs to enhance the efforts spent on programming classes. He thinks the senior

students of the dept can play the suggested roles. He advised that if students incorporate self-learning, moral training and mutual assistance for each others most of the academic deficiencies can be dispensed with. He added Labs and libraries should be well

He did M.Sc. in Computer Sciences with Specialization in Computer Aided Geometric Design from UET Lahore and M.Sc. in

Thereafter he moved to UK and got doctorate degree in 2000 in Visualization (Computer Graphics) Discipline from University of

During his illustrious and long academic career of 27 years at UET Lahore he has held various posts: Director of Information Technology and Software Engineering, a member of Syndicate, a member of Senate and a member of academic council He received Best Teacher Award in 2002 and 2003. After he joined CIIT Lahore in 2004 he has made a number of contributions.

He was organizer of the 2nd CWRC Conference held at CIIT Lahore in 2005. He has published more than 20 papers in international and national journals and conferences. His publications have been included in important journals of oxford University, Germany and Czech Republic, and some of his conferences papers appeared in proceedings of Washington and London intentional conferences. To his credit also goes a Kluwer's chapter "A New Approach to Corner Detection" in proceedings of International Conference on Computer Vision and Graphics, (ICCVG'04), Poland, 2004.

During interview he oft quoted the wise sayings that he firmly believed and summed up pithily his ideas. His interview will remain

"Don't wait until everything is just right. It will never be perfect. There will always be challenges, obstacles and less than perfect conditions. So what. Get started now. With each step you take, you will grow stronger and stronger,

"Keep your dreams alive. In order to achieve anything requires faith and belief in yourself, vision, hard work,

more and more skilled, more and more self-confident and more and more successful."

determination, and dedication. Remember all things are possible for those who believe".

FROM PAKGRID

also in guiding its development as a tool for promoting creativity and humanitarian values.

Read more: http://pakalert.wordpress.com/2009/06/11/pakistan-a-sleeping-superpower/

PROTOCOLS (CARP)". The conference will be held at IBA, Karachi, Aug 2009 A research paper of Kashif Muhammad and Rizwan Jameel Qureshi entitled

 Mr Imran Raza, a lecturer from CS department, CIIT Lahore, has got his paper accepted in a conference ICICT '09. The title of the paper is "ASSESSMENT OF NODE DENSITY IN

"Seamless Long Term Learning in Agile Teams for Sustainable Leadership", has been

accepted in 5th IEEE ICET'09 conference to be held at National University of Computer & Emerging

university and research institutes as they hold the largest number of unallocated and unused address blocks in the world"

An article by Niall Murphy of Google and David Wilson of HEAnet (Irish R&E network) has been posted on The Internet Protocol Journal on the issues and challenges of moving to a white market for the trading of IPv4 address space. There is growing recognition there may not be enough time or market momentum to move to IPv6. Some also argue that the new common bearer service is HTTP and that URI endpoints and routing instead of IPv6 addresses provides a lot more flexibility in terms of network architecture. Companies like SolaceSystems already build URL/XML routers. As such, at least as an interim strategy, the RIRs may need to institute some sort of market trading of IPv4 addresses. This will have major significance for

PUBLICATION RESEARCH AND DEVELOPMEMENT

Pv6

SCHOLARSHIPS

RETHINKING ENGINEERING

enrolled in engineering programs has fallen 17 percent, according to a British government review.

and not enough on how engineers apply their skills and creativity to solve real-world problems

action can only be limited to locking that customer's account and providing customer details to PTA.

LIAISON

SEMINAR

The COMSATS Lahore and LANCASTER University of UK are collaborating to offer degrees in three disciplines of Computer Science, Electrical Engineering and Management Science. Students on successful completion of studies will be awarded two degrees one form COMSATS and the other

A senior faculty member of CS dept, Abdul Karin Shahid, assistant professor, is liaising with Lancaster university management to align the degree requirements, syllabi and program structure. The COMSATS CS dept. is progressing fast to arrange and spruce up requisite infrastructure for the first ever session to start

NADRA, TPS Pakistan Acrologix are already working in Bangladesh

John A. Edwardson Dean of the College of Engineering at Purdue wrote.

"Responsibility for learning belongs to the student, regardless of age."

your online future to be? Hopes for the future of the world wide web include possible semantic developments, improved services for web mobile devices as well as more negative ideas such as a rise in online crime and concerns about the safety of data. Open source programming, social networking, mobile micro-blogging like Twitter and varied content online has changed the landscape of the web. International projects and collaborative social efforts online have changed the way we can swap data and

"In the 60s the building that we all know as Habib Bank Plaza in Karachi was the tallest building all the way from the Middle East down to Singapore. In the 1960s almost every army, navy and air force in the Middle East was manned by Pakistani officers and men. We literally raised those armed forces. Many airlines that operate from the Gulf have actually been trained, organized and manned by PIA. Sure, Pakistan has fallen on tough times. But let all Pakistanis take strength from the fact that this great country needs to be put back on the track from which it got derailed in the 1960s. We Pakistanis have to once again regain our lost glory.

Berners-Lee received a Lifetime Achievement Award in recognition not only of his role in creating the World Wide Web, but

The man credited with the invention of the world wide web, Sir Tim Berners Lee, has received a lifetime achievement award at the Web award ceremony in New York. He said that the future of the web will be a collaborative effort. What would you like

Trento is a vibrant city with a beautifully preserved historic center, consistently ranked at the top for quality of life in Italy. It offers a variety of cultural and sports opportunities all year around, as well as excellent food and wine" LINKS [1] DISI web site: http://disi. unitn.it [2] Research at DISI: http://disi. unitn.it/ research

From China to Africa to Europe to the Americas, fewer students are going into engineering. What's at stake if the number of qualified engineers fails to grow? The world may face an absence of innovation in critical areas like health care, alternative energy, communications and environmental systems. The number of engineering specialties in Chinese universities fell by more than half from 1997 to 2006, according to the Chinese Ministry of Education. In the United States, while university enrollments overall are at all-time highs, the number of students in engineering programs hasn't risen appreciably in 25 years. And in the United Kingdom, while the percentage of 18-year-olds studying at universities has nearly doubled since 2001, the percentage of students

Engineering now is perceived as cold and sterile, Unfortunately there is too great a focus on mastering formidable mathematics

"There are more than 50 ISPs operating across the country. As per policy, they contributed 0.5 percent of their revenue to Universal Service Fund (USF); 0.1 percent on the account of Research and Development and hundreds of thousands of fee charges for renewal of licenses. ISPs cannot take any action against any customer doing illegal VoIP as they are lacking statutory. powers to do so, he said and added that if PTA informs of illegal activity done by any customer to the concerned ISP, the ISPs'

ISPs also termed PTA's action of blocking the IP addresses on internet gateways without any prior notification and evidence as insufficient. They said they had been suffering badly, which has been brought to the notice many times in recent past to the

The Department of Information Engineering and Computer Science of the university of Trento, Italy, is one of the leading and faster-growing research institutions, characterized by a young and international faculty and by a large, international student population. Indicators for scientific production put the department among the very top in Europe. The university has 72 open PhD scholarships. The successful candidate will have the opportunity to work in a dynamic and exciting environment.

regulator. PTA has its automated blocking of IP addresses that carry illegal voice traffic that is termination and/or origination of voice packets in a bid to check grey traffic flowing into the country. On the other hand, Chairman PTA Dr Muhammad Yaseen told Daily Times that setting up of VoIP system is not a rocket science that could not be done by ISPs without the assistance of authority. They only need to install software on their network to block illegal traffic of voices, which they are reluctant to do, he said adding that there are scores of culprits violating authority's law under the very nose of ISPs. Dr Yaseen added that the authority has

warned all the ISPs again and it has decided to conduct massive operation against all the illegal traffic users as per prescribed laws. He further said the ISPs should cooperate with the authority to stop illegal practices instead of supporting users' violating

PTA announced publicly that all (registered) call centres should provide their IP addresses to PSEB to make sure that their voice traffic is not blocked. Since the inception of technical facility in May 2008 at the PTA, the IP addresses found to be involved in illegal activities were being blocked manually and in the process, over 14 million minutes (worth around Rs 100 million) have been saved on monthly basis. Now these would be automatically blocked if any IP, not authorised to carry voice is found doing so. Under the current policy, only LDIs and international call centres are authorised to carry voice across national boundaries."

Pakistan Software Houses Association (p@sha) and Bangladesh Software and Information Services (BASIS) have signed an MOU at Dhaka Club in Bangladesh in March 2009 to collaborate in IT services. BASIS desires to automate its financial and Government sector services and Pakistani companies have vast opportunities to provide their expertise and services. Previously

 Dr Ahtisham has given the first of a series of seminars on "WEB Semantics"; This will be a regular feature of research. The first seminar of the series was held on Thu, 25/06/09 and covered the general area of the WEB Semantics A seminar was arranged by the Ms Sana Rizwan on May 22, 2009 on: "Youth Awareness of HIV AIDS"

An online lecture on "Tera Hertz Technology and Systems" was presented by Dr. Anthony Vicker on June 2, 2009

The speaker was Dr Ghazala Khan, Director HIV AIDS. Family Planning Association Pakistan

Audience included more than 200 students besides faculty members from different disciplines

25 June 2009

31 August, 2009

1. Sustenancel Remain vigilant Retain faculty 4. Attract talent 5. Make teaching your religion

The Rector COMSATS, Dr Junaid Zaidi (S.I.) had assigned different tasks regarding IT enhancement to various Head of the **Departments at Lahore**. The HODs were given assignments to write documents detailing their opinions. The HoD computer

The fall semester started calmly with more than 100 students admitted in Computer Science Department. Orientation was held on Monday, 31 August, 2009. All the HODs introduced themselves and the degree programs offered in their departments. Lastly the director of the institute took his turn and introduced students to cardinal rules and regulations of the campus. He sprinkled his talk with wisecracks, jokes and truly admirable proverbs. ANOTHER DATELESS