2008 Congress
Full details
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47th FITCE Congress to take place in London

The 47th FITCE Congress will be held in the Logan Hall at the Institute of Education from 21st to 24th September. **Please note that this is a change in venue and dates from that advertised in the previous Forum.** The Congress will be in the heart of the University of London complex in Bloomsbury - the capital's literary centre - close to the British Museum, the British Library and Theatreland. The overall theme for this year's Congress is: *"Transformation – Next Stop … True Convergence".*

Clearly a lot has been written and spoken about "Convergence" in recent FITCE Congresses and more widely in the industry at large.

However it is now clear that the communications industry is undergoing one of the most exciting and fundamental transformations in its entire history. This transformation will be elucidated in a number of highly significant papers that have been chosen for this year's congress by the FITCE Technical Programme Committee, which met in London in April. More than 80 abstracts were submitted for this year's Congress, and around 30 papers have been included in the presentation part of the programme. In addition a number of other submissions were chosen for the Poster paper session (see page 7). All together with some outstanding keynote speakers and some other invited papers this year's FITCE Congress promises to be one of the most relevant and stimulating for many years. Full details of the technical programme are listed on pages 4-5, and further details on the important social and partners' programmes are contained on page 7.

The 2008 General Assembly of FITCE will take place on Sunday afternoon, 21st September, in the same venue as the Congress, i.e. the Logan and Jeffrey Halls in the Institute of Education (see also page 7 for further details).

The venue lies in the central part of London known as Bloomsbury, one of the most historic and well-connected locations in the capital. Further information about this area and how to reach it are described on page 7.

FITCE values and aims

- Keeping in touch with leading edge ICT developments.

- Ensuring that our members benefit from the experience acquired by other members in all ICT fields.

- Building strong cultural and business ties between European ICT professionals.

- Ensuring that Young Professionals are able to use FITCE as a valued resource in their career development

FITCE Young Professionals

Austria (www.fitce.at)

As reported in the last issue of the Forum, Christian Eggenberger was selected by FITCE Austria as their young engineer 2007. Recently Susanne Blaha, (SB) from FITCE Austria interviewed Christian on his experience of presenting his work at the Warsaw Congress. (*The following is an extract from the interview, the full interview appears on* www.fitce.org)

SB: How did you feel among all the Telekom experts – especially the international ones?
CE: In the beginning I felt a bit uncomfortable: new surroundings, far from home, and encircled by all these strangers. Many of the people present are absolute experts in their field and have accomplished a lot which was the reason why I met them with a lot of respect, almost a bit of fear. But after talking to them for the first time I felt a lot more comfortable and it was very interesting to discuss experiences & different topics.
SB: How were you accepted into the FITCE family?
CE: The acceptance into the FITCE family was very warm. Every conversation I had was conducted on a very personal level, starting with the first encounter, no matter what topic was discussed. We had the chance to deepen these relationships during collective breakfasts, lunches and dinners.
SB: What did you personally take home from Warsaw
CE: A lot of experience as well as many new relationships, which I can hopefully sustain in the future. It is hard to imagine beforehand what happens at such a conference. It was an extraordinary experience and I will remember it for the rest of my life.
SB: Have you experienced anything new at the conference? If so – what was new?
CE: The contributions differed in timeliness/currency, topic and presentation, as well as in their quality. There were definitely some interesting new ideas among them.
SB: Do you have a recommendation for other young engineers?
CE: Anybody who gets the chance to participate should do so. It is a great opportunity to introduce your ideas and visions to a broad industry audience. There is actually nothing to be afraid of – and all the other presenters are nervous as well!

Belgium (www.fitce.be)

On April 17 the finals of the FITCE.be Young ICT Personality 2008 award took place, hosted by Agoria-ICT the Sector Federation of the Belgian ICT industry. Three finalists - top of the crop of the pre-selections - presented their views and ideas to an audience of professionals and leaders of the industry on the theme for the competition: "The Media and Communications Industry anno 2015". Hong SUN, PhD student from the University of Antwerp was awarded the first prize of €1.000, and will also present at the London Congress.

Hong SUN presented his view on how to provide a seamless integration of human power and assistive devices to help independent living of the elderly which must lead to online "mutual assistance communities" to provide the elderly with longer, better and more active lives. In such a community, social connections will be enhanced, dependence on social resources will be reduced and the elderly are expected to have a more active attitude.

For further details see:
www.fitce.be/node/123

There are also some interesting interviews with other young Belgian participants in a number of web videos on:
www.fitce.be/node/118

News from FITCE Austria Professionals

Lift off
Susanne Blaha, FITCE Austria

Vienna International Airport with more than 16,000 employees, is one of the biggest employers in Austria. But it is also a very important customer for the whole ICT industry. Emergency services, are all equipped with walkie-talkies, and the airport has more than 1,500 mobile

phones as well as about 200 DSL lines. The offices are also linked with the fixed network, the PABX covers about 6,000 extensions.
FITCE Austria was very pleased when the opportunity was offered to their members to visit Vienna International Airport. Apart from a tour by bus across the apron we also climbed up the tower. But even more interesting than the flight control was the so called movement centre. Here they are responsible for every movement that is made on the ground. This Handling Segment supplies a broad range of services for scheduled, charter and general aviation flights. These services include the loading and unloading of aircraft, transportation of passengers, crews and catering materials as well as cabin cleaning and the towing and de-icing of aircrafts. Did you know that it takes just 20 minutes to clean an Airbus 320 and that you need 17 people for it?
Even more interesting are the financial and passenger figures. "How to grow" is the title of the annual report 2007. And the growth was huge with an increase of 11.3% to 18.8m passengers in 2007. Its geographic location, in the heart of Europe and function as a hub to the booming destinations of Eastern Europe, resulted in an increase of 24,8 % of passengers travelling to this area. Punctuality is another "benchmark". In a survey of 27 European airports, Vienna was one of the top five.
If you need more tips and tricks on how to run an airport successfully – lift off with www.viennaairport.com

Engineer's identity in flux

Detlev Maas, Ifkom Germany

With the rapid technological development in ICT, the services, which are hot today, will not necessarily be the commercial model tomorrow. In particular research, development, e-learning and the social communities on the Internet will change substantially.

From my point of view two decisive questions arise: "What is the starting point of ICT and where is its borderline, and how do our engineers handle the changing process?" After you have answered these questions one can better understand what the professional picture of the engineer will be in the next phase of ICT.

It is easy to answer the first question, especially from the perspective of customers or of non-engineers: ICT is everywhere. In agriculture, in mobility, in the health service, or in the media; everywhere there is ICT. No technology, no control, no automation would exist without ICT. From this fact it follows that there is a huge potential market for engineers. This is clearly understood since economics demand that there is a professional force behind ICT, and because by using engineers' competences it generally means that innovations can be achieved. However worldwide standardization must happen before innovations establish themselves in the market.

The reverse side of the coin is there are relatively high numbers of unemployed engineers because they are not needed any more in the classical engineering fields. Furthermore the universities complain that engineering courses are not filled to capacity any more.

There is no logical explanation of this relationship and it is difficult to find the right answer. In the branch of telecommunications, globalization is one key factor for the decline of engineering employment. It is also thought that low profits due to liberalization in the telecommunications markets are an important factor for reduced engineering activities by Telcos and other ICT companies. Siemens for instance now puts its main focus in the areas of medicine, energy, etc because there are still adequate profits to be gained there in contrast to telecommunications. The fact that cost pressures on the manufacturers in the ICT branch also impacts the engineer's activity seems clear. The question is: "How do engineers handle this change process?" Actually, this question is a little bit contradictory, because the original duties of an engineer (and the meaning of the word engineer) are "innovation, change, improvement and advancement".

This situation requires that confident ground must be left behind and new assignments taken up. In plain English this means that lifelong learning is also valid for the professional engineer, so that curiosity, courage, inventive talent and interest must be woken up anew. Despite high academic qualification, nobody can assume that current knowledge and skills will provide employment for the future.

What must be done? We need to work on two areas; on the one hand, active engineers must be encouraged to discover new fields of work for themselves. On the other hand a qualification infrastructure must be built for this circle of engineers and economic job security should be guaranteed. Conceivably a European qualification fund would provide these social securities. Furthermore the German and European telecom manufacturers must again develop products, which can exist on the world market. Apart from gaining profits these products could also create new activity fields for engineers and make it easer to attract university engineering entrants in ICT. These initiatives must be supported by government policy, by engineers' organizations, like FITCE and IfKom and in addition the support of company organizations in the ICT Branch is also required.

The next generation of engineers must be persuaded by the quality of education and the attraction of the engineering profession. The most intensive advertisement to stimulate the younger generation with enthusiasm for technology must already start in the kindergarten. In addition, the engineering study must become more attractive. Within the apprenticeship process there should be tools and systems in place, which help develop the demanding study so that the professional forces, which are necessary for the new technologies and our prosperity in Europe, will come about.

IfKom and FITCE have the big task to ensure that discussions on the topic and these questions are organised in the ICT arenas. A base for this could be competence circles in which experts meet and discuss. The associations can use the output to position themselves and to achieve influence on topical subjects and discussions. Then based on these results a better description of the engineer's profession can be developed. However, one last remark, due to the dynamic processes in the ICT world, the new description will not last long.

In summary: Three essential points are crucial. Firstly, global companies concentrate upon growth markets. Secondly huge cost pressures have forced a shift in almost all elements of the value chain into locations with cost-cutting potential. This concerns manufacturers, service companies and operating companies equally. Thirdly the movement of hardware to software dominance decisively marks a change in the professional picture of the engineer.

The author: Detlev Maass *has a certificate in social education and is the federal business manager of IfKom, which is the German professional organisation of engineers as well as technical professional forces and executives in the ICT fields. For further information see* http://www.ifkom.de

London FITCE Congress Programme

For the latest version see: www.fitce08.eu

Monday 22 September		
9.30 - 10.40	**Opening ceremony** **Welcome** **Welcome** **Guest speaker:** **Keynote Presentation: "The convergence of the citizen and the consumer"**	Brendan O'Mahony CEO of ITP Barry Reynolds President of FITCE Europe Sir David Varney (Advisor to the Prime Minister on Public Service Transformation) Tim Smart (President BT Global Services)
11.10 - 12.30	**"Transforming Lives – Improving the quality of Life"**	Session chairman: Ian Dufour, UK
	Keynote Presentation: "Changes in the UK regulatory environment"	Millie Banerjee, Non-Executive Director, Ofcom, UK
	Appropriate Telecom Systems for the Provision of Internet Connectivity to Remote Schools in Least Developed Countries	Peter Leonhardt, BT, UK
	The promise and perils of ICT implants: setting the legal framework	Eleni Kosta & Peggy Valcke, ICRI-KU. Leuven, Belgium
	Bundled integrated services for the elderly- implementation roadmap	Jacques Aarts, CenCOR, Netherlands
1400 - 16.00	**"Transforming Services – Are you being served on the move?"**	Session chairman: Ionut Bibac, France
	Invited paper: Getting personal	Michael Scott, Tata Consultancy Services, UK & Ireland
	Invited paper: T-City – Innovations for a better quality of life	Günter Ottendorfer, T-Mobile, Germany
	Invited paper: Building a wireless city: adding value to public services	TBA, BT, UK
	Mobile TV in European market sector – opportunities and limitations	Ionnis P Chochliouros et al, Hellenic Telecommunications Organisation, Greece
	It's not about the killer app. – it's all about the "killer user experience"	Oliver Frelot, Alcatel-Lucent, France
16.30 - 18.00	**"Transforming Networks - Convergence: are we getting there?"**	Session chairman: Dave Simpson, UK
	Network evolution – all IP FMC network	Haifeng Ling, Huawei Europe
	Network transformation through reconfigurable and mesh optical and wireless architectures	George Agapiou, et al, Hellenic Telecommunications Organisation, Greece
	What price a superhighway?	Anne Elvidge, et al, BT, UK
Tuesday 23 September		
9.00 - 10.30	**"Transforming Lives and Services – The challenges of living in a digital world"**	Chairman: Kevin Fogarty, UK
	Challenges of end-user adoption of digital life: the case of the United States	Elizabeth Fife & Francis Peireira, Centre for Telecom Management, USA
	Beyond open innovation: leveraging social capital	Mark Dames, et al, BT, UK
	The digital divide: transforming lives for the better or worse!	Michael Browne, Eircom, Ireland
	Trusted transactions transforming your life	Nico Baken, et al, Delft University, Netherlands

Tuesday 23 September

11.00 - 12.30	**"Transforming Lives – Solutions for living in a digital world"**	Session chairman: George Agapiou, Greece
	Towards Netism – a network-based society of symbolic goods	Bruno Jacobfeuerborn, Polska Telefonia Cyfrowa, Poland
	The collapse of a walled garden – a business model at the heart of a network & service transformation	Paul Gainham, Juniper Networks, UK
	Transforming homes: next step towards a heterogeneous user centric scenario, new opportunities and challenges	Jesu Bilbao, et al, Ikerlan, Spain
	A new mobile revolution: the quest for the next killer app after SMS	Gerben Mak, Logica, Netherlands
14.00 - 14.25	**Keynote speaker: "Enabling the Web 2.0 Revolution"**	Sally Davis, CEO BT Wholesale
14.25 - 15.45	**"Transforming Networks – How to connect to the future"**	Session chairman: Wim van der Bijl, Netherlands
	Next generation access networks: perspectives & regulatory options	Jesu Labrado et al, Red.es, Spain
	A clear and balanced view on FTTH deployment costs	Koen Casier, IBCN, Ghent University, Belgium
	Resource control in next generation access networks	J E Winkelman, Alcatel-Lucent, Netherlands
	Transforming 3G radio access architecture	Emmunuel Dujardin, France Telecom, France
16.15 - 18.00	**"Transforming Networks – Technologies for convergence"**	Session chairman: Marc Verbruggen, Belgium
	Transforming services with a Service Delivery Environment (SDE)	Patricia Lopes, Alcatel-Lucent, USA
	Fibre optic networks for distributed, extendible heterogeneous radio architectures and service provisioning: the case of FUTON	George Heliotis, et al, Hellenic Telecommunications Organisation, Greece
	Advanced elements for transforming networks	Vladislav Skorpil, Bruno University, Czech Republic
	Proposal for a convergent authentication and authorisation infrastructure in NGN	Joaquín López Rizaldos, et al, Telefonica I&D, Spain
	Securing IP multimedia subsystem (IMS) infrastructures: protection against attacks	Michail Tsagkaropoulos, et al, University of Patras, Greece

Wednesday 24 September

9.00 - 10.30	**"Transforming Services – Digital media in the driving seat"**	Session chairman: Armin Sumesgutner, Austria
	Invited Paper: The Death of Divide and Conquer: The roles of integration and convergence in telecoms and media	Thomas Breuer, Logica Belgium
	In defence of monopolies in the production of audio-visual contents	Beatriz Sainz,et al, Univ of Valladolid, Spain
	Media space navigator: efficient access to video content on IPTV portals	Simon Vogl, et al, Research Studios, Austria
	Broadcast TV is dead, it just doesn't know it yet	Neil Fairbrother, Pod3.tv, UK
11.00 - 12.30	**Panel Session: Next Stop... True Convergence?**	Chairman Prof Izzat Darwazeh, UK
	Building the world's biggest next generation network	Tim Hubbard, BT, UK
	Convergence from DT's point of view	Felix Wunderer, DT, Germany
12.30 - 1.30	Closing Session Summary of messages from the technical sessions Awarding of Prizes Invitation to the next congress in Prague & farewell speech	Millie Banerjee, Chairman of the Congress Executive Committee Wim van de Bijl, Chairman of the International Technical Committee (FITCE)

International Newsletter June 2008

Austria   The European soccer Championships was the biggest project in the history of Telekom Austria. A total of eight billion viewers worldwide followed the games on TV. The International Broadcast Centre (IBC) in Vienna accommodated a multimedia hub that formatted all TV images from 8 stadiums for their worldwide transmission. In addition Telekom Austria provided media centres in Salzburg, Innsbruck & Klagenfurt. The infrastructure required bandwidth for the parallel transmission of 12 HDTV signals and 18 SDTV signals. In total the broadcast of all the games resulted in streaming almost 2 Petabytes of data!

Belgium   Belgacom announced the takeover of Scarlet for €m185. Scarlet is a provider of telecommunication infrastructure with subsidiaries in Belgium, the Netherlands and the Netherlands Antilles. Scarlet has an international customer base of 180,000 broadband users and markets their products based on low pricing.

France   At the end of 2007, Broadcaster Canal+ (Vivendi) had 250,000 customers in France, who were using mobile TV. Canal+ cooperates with its partners SFR and Boygues Telecom to provide the mobile network.

Germany   The German Telecom provider Freenet is selling its broadband business (about 1,3 million customers at the end of 2007). "First negotiations with prospects have started", said a spokeswoman in Hamburg. Freenet focuses on mobile Internet and content, therefore the access business is no longer needed.

Switzerland   According to an interview in the Swiss newspaper "Sonntag", the Swiss regulator ComCom will end the current impasse surrounding the LLU fee by setting a fixed monthly fee. The future LLU fee will not only cover the current copper-based DSL infrastructure of Swisscom, but also include Swisscom's planned fibre optical network.

UK   UK pay-TV operator Sky is currently testing the provision of phone line installation and they hope to add this product to its portfolio in the coming months. It will set up a new phone line for customers at a cost of £124.99. The line will be installed by BT Openreach but maintained by Sky.

Calendar of events in FITCE Associations

Country	Date & Location	Title
Austria www.fitce.at secretariat@fitce.at	05.07.2008 Vienna	Guided Tour: Exhibition "Oscar Kokoschka, Exile and New Home, 1934-1980"
	09-10.10.2008 Vienna	IT- und Telekom Symposium incorporating euroCMG´08
Belgium www.fitce.be	Brussels September	Critical Infrastructure Protection
	Evening Session, November, Brussels	Mobility and Internet on the train
Germany www.ifkom.de info@ifkom.de	18.+19.09.2008 Potsdam	IfKom Federal Assembly. The President of the German Bundestag and representatives from economy and science have been invited
	Hamburg, Mainz, Leipzig Aug –Nov 2008	IfKom Regional Public Talks with experts and engineers form Ifkom. In reference to markets, competition and regulations an efficient broadband infrastructure is an essential condition for growth, innovation and jobs
Italy www.associazioneaict.it	17.07.2008 Turin	The new Service platforms for digital signals
	19.09.2008 Cagliari	IPTV
	25.09.2008 Rome	ICT for critical infrastructures and resilience systems
	14.10.2008 Milan	Pervasive Information Systems
United Kingdom www.fitce08.eu	21.09.2008 London	FITCE General Assembly
	21-24.09.2008 London	47th FITCE Congress

Congress 2008
Social & Partners' Programmes

The format for this year's FITCE Congress is somewhat different from recent years. With a Sunday to Wednesday programme, it has been decided to hold the annual FITCE General Assembly at the beginning, on Sunday afternoon. This will take place from 14.30-15.30 in the Institute of Education, Bedford Way, Bloomsbury, London WC1. The Congress registration desk will open at 14.00 and will remain open until 16.00 on the Sunday, and will be open again on Monday from 8.30am. On Sunday the General Assembly will be followed by a welcome reception for full delegates and their partners.

In parallel with the opening of the Congress on Monday morning in the Institute of Education, registered accompanying persons will set off by coach on an exciting one day exploration of the beautiful Oxford region and the historic city of Oxford. Professional guides will be on hand to show the participants around Oxford.

Oxford, The City of Dreaming Spires, is famous the world over for its University and place in history. For over 800 years, it has been a home to royalty and scholars, and since the 9th century an established town, although people are known to have lived in the area for thousands of years. Nowadays, the city is a bustling cosmopolitan town.

On the Monday evening full delegates and partners are invited to an evening drinks reception in the HQ building of the UK regulator, OFCOM. This is located on the south bank of the Thames with dramatic views across the river to many iconic buildings in the city of London.

On the Tuesday the lucky partners will continue their programme with a tour of St Paul's Cathedral, which has overlooked the City of London since 604AD. The current Cathedral – the fourth to occupy this site – was designed by the court architect Sir Christopher Wren and built between 1675 and 1710 after its predecessor was destroyed in the Great Fire of London.

The tour will continue across the Millennium footbridge that links St Paul's to the Tate Modern gallery. This monumental building was created in the year 2000 from a disused power station. Tate Modern displays the national collection of international modern art, i.e. art since 1900.

At the end of this half-day tour partners will be free to explore the many other attractions of the South bank area. Nearby is the famous Shakespeare's Globe theatre. It is also a very pleasant walk to continue up-river from here along the embankment to the South Bank Arts centre (National Theatre, British Film Institute, Hayward Gallery, Royal Festival Hall etc). Just beyond this complex lies the London Eye, the millennium wheel.
http://tinyurl.com/3msagt

Tuesday night will culminate in a gala dinner-dance for full delegates and their partners. Coaches will take the participants from the congress location to the Radisson SAS Portman Hotel, where a splendid evening's entertainment is planned.

Some local information
(See also: www.visitlondon.com)

Bloomsbury - a well-connected location

The linked map
http://tinyurl.com/5fsxdf
shows that the 2008 FITCE Congress location lies at the heart of the academic, literary and historical quarter known as Bloomsbury. This beautiful area of London contains many major attractions like the British Museum, British Library and is within walking distance of Covent Garden and Theatre land. The nearby Russell Square underground station is directly linked to Heathrow airport via the Piccadilly line. The newly opened St Pancras International railway station is only 10 minutes away by foot. From here trains arrive directly from Brussels in less than 2 hours and from Paris in 2 ¼ hours. Trains from Gatwick and Luton airports also arrive at the new "Thameslink" station within the St Pancras complex. The restoration of this beautiful Victorian edifice has now become a tourist attraction in its own right.

London Open House Weekend 20-21 September

Coincidentally with the opening of the 2008 FITCE Congress, London will be celebrating the annual festival of public access to over 600 buildings of major architectural interest. Admission is FREE to all buildings. There are in addition talks, often given by architects, architectural historians and engineers and also walks over the weekend. For details see: http://tinyurl.com/5bmnwf

**Transformation
Next Stop .....True Convergence?**

**47th Congress
21-24 September 2008
London**

How to Register for the Congress

- Please visit the Congress website or
  (www.theitp.org/fitce08/Book-Online)
- Alternatively you can call the registration desk on +44 1932 788861
- Payment has to be done using MasterCard, Visa or debit cards
- Your name, contact & for FITCE members your membership details will need to be supplied
- For any membership etc queries, please contact your National FITCE Organisation.

How to make a Hotel Reservation for the Congress

- The area round the Congress location – Bedford Way, Bedford Place, Russell Square etc has many hotels in all categories
- Please go to Congress page under the address: http://www.fitce08.eu where you will find maps and several suggestions for hotels which can be booked directly

Registration Fees for FITCE London Congress				
(UK VAT @ 17.5% to be added to all prices)				
Registration Type		**Up to 31 July**	**From 1 Aug**	**On-site**
Full Delegate	**Member**	£298	£381	£550
	Non-member	£605	£762	£810
Day Delegate*	**Member**	£130	£180	£260
	Non-Member	£260	£360	£450
Accompanying Persons	**with Member Delegate**	£145	£180	£260
	with Non-member Delegate	£308	£385	£420
Student Delegate*		£85	£85	£105
Student Day Delegate*		£60	£60	£70
***Does not include the Welcome reception and Gala Dinner**				

www.fitce08.eu