



About speakers and topics

- **"Broadband Perspectives in Croatia"**

Dr.sc. Darko Dvornik :

Darko Dvornik earned his Ph.D. in economics at the University of Split, Croatia. From 2001 to 2004 he served as a commissioner at the National Regulatory Authority, Telecommunications Council. Currently he serves as assistant minister responsible for the telecommunications and postal sectors. He is a member of the Working group for negotiations on accession of the Republic of Croatia to the European Union. From 1998-2004 he worked in Siemens as a project manager and key account manager in mobile telecommunications and later on as a marketing and business development manager. He speaks fluently English and Italian. He is member of National Council for Information Society and president of the working group for introduction of digital radio and television in Republic of Croatia. He chaired preparation of the National Broadband Strategy and he is currently working on the National telecommunication strategy.

Presentation and topics addressed:

- **"Possibilities for Broadband Internet development support"**

Zeljko Tabakovic

Zeljko Tabakovic was born in 1972 in Rijeka. He received university degree in 1996 at Faculty of Electrical Engineering and Computing, University of Zagreb. In 1998. he finishes diploma study in management and in 2007 he received masters degree in electrical engineering.

Mr. Tabaković was employed in Ministry of maritime affairs, transport and communications, Croatian institute of telecommunications and Croatian telecommunications agency on expert and management positions in the department of radiocommunications. Currently Mr. Tabakovic is employed as senior advisor in Croatian telecommunications agency. His working activities deals with planning and optimization of radiocommunication networks, assignment of radio frequencies, spectrum management, coordination of radio frequencies and broadband access. Mr. Tabakovic participate in work of International telecommunication union – ITU and European conference of postal and telecommunications administrations - CEPT working groups, and is also member of working group for EU accession. He also represented Croatia in number of major international conferences. Mr. Željko Tabaković is author of number of scientific papers.

Presentation and topics addressed:

- **Croatian Internet eXchange and Regional Perspective**

Ivan Marić is a Deputy Director and CTO of University Computing Centre – SRCE. He received his B.Sc. in Electrical Engineering from University of Zagreb in 1990. He is a prominent member of the team which initiated experimental implementations of the Internet in Croatia in 1990 and 1991 by establishing and constructing the academic computer network CARNet. Since the beginning of the 90s and continuing until today he has been the leader in the construction of the CARNet network and implementation of the latest information and communication technologies, such as the first in Europe production implementation of the ATM technology at the state level (1995 – 1997) or planning and implementation of gigabit technologies (2002 – 2004). He initiate and establish Croatian Internet eXchange in September 2000. Currently he is the member of Executive Committee of GÉANT2 EU FP6 project and Director in DANTE Board of Directors. Since 2006 Ivan Maric acts as Croatian representative in e-IRG (e-Infrastructure Reflection Group).

Presentation and topics addressed:

Internet Service Provider (ISP) peering has emerged as one of the most important and effective ways for ISPs to improve the efficiency of operation. Peering is defined as "an interconnection business relationship whereby ISPs provide connectivity to each others' transit customers." ISPs seek peering relationships primarily for two reasons. First, peering decreases the cost and reliance

on purchased Internet transit. As the single greatest operating expense, ISPs seek to minimize these telecommunications costs. Second, peering lowers inter-Autonomous System (AS) traffic latency. By avoiding a transit provider hop in between ISPs traffic between peering ISPs has lower latency. Croatian Internet eXchange membership expands in last seven years four times and is playing an important role at Croatian Internet scene. Expansion of national IX is tightly coupled with liberalisation of telecom market. Sharing of ideas and experiences in establishing and operating national IX point is very important.

- **"BroadBand - more then just a Triple play"**

Drazen Vitez

Broadband Access Solution Sales Manager at Nokia Siemens Networks. In the last 7 Years, Dražen has held a number of positions in Siemens ranging from development, resource management, project management and sales, all in the field of Broadband access technologies. In the last three Years he has been deeply involved in majority of major broadband projects in Croatia such as ADSL and Ethernet Network aggregation implementation at T-HT, IPTV project at T-HT and others covering end to end solutions from CPE to IP edge.

Presentation and topics addressed:

In the presentation an evolution of Broadband will be discussed from a service to a infrastructure for delivery of other services. We will discuss, how much broadband do we need? In addition an emphasis will be done on the importance of broadband infrastructure for social and economic development.

- **Varazdin Intelligent city**

Ivan Jenkač was born in 1971. in Varaždin. In 1997. he got B.Sc.E.E degree. on University of Maribor, Faculty El. Engineering, Computer Science and Informatics, Maribor, Slovenia. 2007 he has started Specialized studie - Security Management of IS on Faculty of Organization and Informatics, Varaždin. Widower with one child.

PROFESSIONAL EXPERIENCE RECORD

- 1998 to 1999 - Engineer (probationer) in IGEA d.o.o.
- 1999 to 2004 - System engineer
- 2004 to present - System support unit Manager

PROJECTS AND ASSIGNMENTS EXECUTED

- Design, development and implementation of Cadastral Information System (State Geodetic Administration, implemented in 70 cadastral offices in Croatia)
- Design, development and implementation of Land registry office (Ministry of justice, implemented on 80 Municipal courts in Croatia)
- Design, development and implementation of central registry of Land registration
- Design, development and implementation of central registry of Craft in Ministry of economy-VPN system, communications.
- Work Out Central Repository of Cadastral Data (CRCD) for the State Geodetic Administration, Technical Assistance Project for Institutional and Regulatory Reform for Private Sector Development, Loan No. 4460-HR - www.katastar.hr
- Design, development and implementation of high available public internet service of Land registry office based on Oracle technology - e-izvadak.pravosudje.hr

Presentation and topics addressed:

In 2006. he became project lead for „Varaždin – Intelligent city“. In one year together with partners Magic Telecom and Metronet d.d. Zagreb City of Varazdin has succesfully builded its own MAN network based on Fiber Optics, between its municipality institutions including elementary schools, kindergartens and all the institutions and companies which are users of local budget. Services „City collaboration“, „e-riznica“ are succesfully implemented thanks to such infrastructure. In near future Varazdin is planing to start FTTH project and public services for citizens.

- **Organization and Operation of a CERT – CARNet CERT**

Branko Mažar was born in Zagreb in 1979. After graduating at Faculty of Electrical Engeneering and Computing, University of Zagreb, he specialised in the information security. As a member of CARNet CERT he works on analysis, monitoring and implementing of information security in CARNet

network. Actively participates in the work of TF-CSIRT working group, established by TERENA, with main goal of improving the European information security infrastructure and promoting the cooperation between European security teams. He is also engaged in the work of FIRST – worldwide organisation of information security teams.

Presentation and topics addressed:

Networks are becoming larger and more complex. At the same time, number of users and services on Internet is rapidly growing. Information security is essential in preserving the confidentiality, integrity and availability of data. Systematic approach to information security is essential. What is CERT and how is it organized? The presentation will answer this question and explain the role of CERT in obtaining and maintaining the adequate level of information security.

Presentation and topics addressed:

- **Broadband to Every School**
Zvonimir Stanić

Presentation and topics addressed:

- **«Deployment of High Speed and Very High Speed Access in France»**

Dr. Roure Françoise

Economist, Inspector General, Senior advisor, Chairperson of the Legal and Economic Section of the French National Advisory Board on Information Technologies, chaired by the Minister of Industry; R&D Advisor for the Strategic Council of Information Technologies (CSTI - <http://www.csti.pm.gouv.fr>), chaired by the Prime Minister. She acts as the French representative to the Nanotechnology Working Party of OECD. She is former Secretary General of the French National Regulation Authority for Information Technologies and Postal Services (ARCEP).

Presentation and topics addressed:

The state of Information Society in France in 2007: where IT infrastructures, equipments and new services expand together:

- The institutional landscape for regulation and industrial policy
- Some key figures about the appropriation of information technologies by the French society (Fixed and mobile telephony, PCs, Internet access, Broadband development, services)
- Special focus on WiMax and new architectures

- **«Fiber to the most Economical Point. Broadband architectures»**

Danny Goderis

Director ETSI Product Marketing of Alcatel-Lucent's Access Division, including DSL, Fiber, Network Management and Digital Home Products and Applications. Danny Goderis is working with Alcatel since almost 10 years and has been active in several positions in the area of access product innovation, network strategy and technology research. Danny has managed research groups in France and Belgium and was manager of an IST European research project on Quality of Service and NGN.

Prior to joining Alcatel, Danny Goderis was active at Belgium universities in post-doctoral and doctoral positions. Danny holds a PhD in Science and a master in Physics. Danny is the author of more than 30 scientific publications and holder of several key patents in the area of access & network technologies.

Presentation and topics addressed:

This presentation gives an overview of the architectures for Very high Speed Broadband, including FTTH with VDSL and FTTH with GPON. Focus is on FTTH, analysing the deployment models & technical solutions, the economics behind and Operator examples from Europe and the US.

- **«The Main Market Trends & Drivers for Wireless Broadband»**

Bruno Potdevin

Vice President Advanced Business Development, Broadband Wireless Access in Alcatel-Lucent. With the increase activities of Alcatel-Lucent in Broadband Wireless Access, Bruno Potdevin has been appointed Vice President of Advanced Business Development of the Alcatel-Lucent WiMAX Business Unit.

Since joining Alcatel Enterprise & Solution Division in 1981, Bruno spent most of his time, in Sales, Marketing and Business development function focusing on High Technology market, Data Communication and Applications.

During his missions Bruno had international exposure in United States, Asia, Africa and LAM as well as Europe in order to develop Alcatel presence.

Bruno Potdevin holds a Master degree of Mathematics & a DESS/CAAE-MBA Institute of Management St Charles University Paris 15.

Presentation and topics addressed:

The Main Market Trends & Drivers for Wireless Broadband and how the WiMAX business can take-off.

WiMAX – What to know about?

ADSL, UMTS, WiMAX, confusing competition?? ... or complementary solutions??

Architecture and technical presentation

- **«Sharing FTTH Infrastructure to develop broadband services»**

Danny Goderis

Director ETSI Product Marketing of Alcatel-Lucent's Access Division, including DSL, Fiber, Network Management and Digital Home Products and Applications. Danny Goderis is working with Alcatel since almost 10 years and has been active in several positions in the area of access product innovation, network strategy and technology research. Danny has managed research groups in France and Belgium and was manager of an IST European research project on Quality of Service and NGN.

Prior to joining Alcatel, Danny Goderis was active at Belgium universities in post-doctoral and doctoral positions. Danny holds a PhD in Science and a master in Physics. Danny is the author of more than 30 scientific publications and holder of several key patents in the area of access & network technologies.

Presentation and topics addressed:

Sharing FTTH Infrastructure to develop broadband services.

In this presentation we analyse the main barriers for FTTH deployment, including the high cost of civil work and in-building fiber cabling. The presentation outlines the possibilities to share the Access Infrastructure (ducts, cables, dark fiber) amongst operators to lower these cost. Several market situations are analysed, together with examples from other countries. A series of positive actions possibly taken by public authorities and private investors is proposed as a framework to stimulate FTTH and economic development.

- **«The Importance of Wireless Broadband for the Economic Development of Croatia - Socio-Economic Benefits of Broadband Applications»**

Ernst Eidenberger

Ernst Eidenberger is Director Business Development for Wireless Access in Alcatel-Lucent. He started his career in 1971 with Alcatel SEL in Stuttgart, Germany, in R&D of one of the first German satellite programs, namely for telemetry subsystems.

In the following years his career was devoted mainly to marketing & sales, for military telecommunication, air navigation systems and business systems.

In 1989 Ernst Eidenberger moved to Alcatel's headquarter in Paris where he was marketing & communication director for various divisions (Transmission, Radio, Space & Defense and Mobile Communications).

From 1996 – 2000 he moved to China where he was appointed Vice President of Alcatel's Joint Venture for Mobile Communications.

Upon his return from China he held the post of Marketing Director for Africa, Middle East and the Indian Subcontinent.

Since 2004 Ernst Eidenberger is responsible for Business Development of Broadband Wireless Access, namely WiMAX, in Central and Eastern Europe.

Presentation and topics addressed:

The presentation will touch the Importance of Wireless Broadband for the economical growth of Croatia and the regional development of SMEs.

The presentation will highlight the socio-economical benefits of broadband applications and contents, also for the truism and the enhanced level of services that can be brought with such new technology.

- **"Outlook for Broadband Development: SEE Region in the European Context"**

Veronica Bocarova is a full-time consultant at Cullen International, a company providing advisory and information services in the field of telecommunications, multimedia and electronic commerce regulation. The clients include major telecommunications operators, equipment manufacturers, IT companies, online service providers, regulatory authorities and national governments.

As consultant with Cullen International, Veronica is currently involved in the European Commission project of monitoring the telecommunications sector in South East Europe covering Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Romania, Serbia, Montenegro, and Kosovo, the former Yugoslav Republic of Macedonia and Turkey. This is a three year project that started in 2005 and is intended to assist the Commission in monitoring the progress in the SEE countries toward integration into the EU common market.

Before joining Cullen International in 2002, Veronica worked for two years for Ericsson business consulting in Stockholm advising fixed and mobile telecommunications operators, service providers, venture capital firms, content and application developers in the field of market entry strategies, regulatory issues, business processes and financial analysis.

Veronica holds a Master of Science degree in International Economics and Finance from the Stockholm School of Economics.

Presentation and topics addressed:

- **"Human Networks"**

Igor Meleš joined Cisco Systems Croatia eight years ago. For the last 4 years, he is general manager of Croatian office and is responsible for sales activities and business development in Croatia. During this time he was able to double the sales of Cisco solutions every two years. He joined Cisco as a technical consultant covering South Eastern European countries.

Before joining Cisco he lived and worked in Canada for five years. He spent a year with Ascend Communications and four years with IBM Canada. He worked as the networking consultant for major Canadian Telcos and Enterprises (Royal bank of Canada, Bank of Montreal, CIBC, TD bank, Manulife, Canadian National Railways, Ontario Hydro). He was also very active in speaking and presenting at Canadian major conferences and trade shows: NetCon and CBTA Telecom.

He started his career in IBM in Croatia, where he worked seven years as systems engineer for networking technologies and account systems engineer for banking industry. He also lectured various topics in IBM Educational Center in Radovljica.

Meles holds a B.Sc.E.E. in Computer Science from Faculty for Electrical Engineering and Computer Science in Zagreb.

Presentation and topics addressed:

**DOBRODOŠLI U SVIJET LJUDSKE MREŽE
(„Wellcome to the human network“)**

U protekla dva desetljeća ime Cisco postalo je sinonim za internet. Tvrtka Cisco odavno je shvatila da internet mijenja naš način života, rada, zabavljanja i učenja. Milijarde ljudi danas koristi internet za komunikaciju i suradnju služeći se raznim oblicima ljudskog izražavanja: prijenosom podataka, zvučnih ili slikovnih sadržaja, bez obzira gdje se nalaze – na poslu, kod kuće, u školi ili na putu.

Prezentacija g.Meleš Igora, direktora tvrtke Cisco Hrvaska donosi pregled mogućnosti koje Internet kao mreža svih mreža donosi ljudima, poslovanju, prezentiranju Hrvatske kao tržišta sa znanjem i mogućnostima koja prelaze granice Hrvatske i omogućavaju brzi razvoj države korištenjem tehnoloških dostignuća danas.

I dok se mreža pretvara u snagu koja mijenja naš način komuniciranja, surađivanja, zabavljanja i poslovanja, tvrtka Cisco lansirala novu kampanju koja obilježava slijedeću stepenicu u evoluciji tvrtke. Na novim korporativnim internetskim stranicama, posjetitelji mogu vidjeti kako Cisco pomaže u izgradnji ljudske mreže s rješenjima koja povezuju, zaštićuju i osposobljavaju ljude. U dijelu posvećenom pričama o ljudskoj mreži, posjetitelji mogu otkriti kako ljudska mreža spaja ljude i pomaže im da ostvare velika postignuća te mogu s ostalim posjetiteljima podijeliti vlastitu priču o tome kako im je ljudska mreža pomogla u ostvarenju ciljeva.

Govoreći o konceptu ljudske mreže polazimo od slijedećih postavki :

- Ljudi žele komunicirati i razmjenjivati ideje
- Ako im se omogući ljudi će raditi ono što vole
- Komunikatori će započeti komunikaciju
- Inovatori će inovirati
- Poduzetnici će pronaći nove načine uspješnog poslovanja
- Koristeći tehnologiju ljudi postavljaju nove granice i zahtijevaju više

Ispunjavamo obećanja internetske ere iz 1990-ih. Danas krajnji korisnik ima moć; on stvara interaktivne web stranice i blogove, kombinira sadržaje i utječe na to kako će kompanije s njim poslovati. Danas se više ne radi samo o fizičkoj mreži već govorimo o snazi ljudske mreže. Ta tranzicija predstavlja idealnu priliku za Cisco: da nastavi osiguravati temelje na kojima će ljudi razviti svoje poslovanje i mijenjati životna iskustva.

U prvoj fazi razvoja interneta, mreže su povezivale ljude sa svjetskom mrežom posredstvom osobnih računala – stvarajući sustav za prijenos podataka zahvaljujući kojem je bila moguća e-pošta, e-trgovina, trenutna razmjena poruka i druge aplikacije temeljene na webu. U drugoj su fazi razrađene dodatne prednosti od mrežnih investicija. Kompanije su razvijale bolje poslovanje pomoću interneta, a fokus je stavljen na produktivnost posredstvom internetskih poslovnih rješenja. Danas se mreža nalazi na prekretnici jer je ona puno više od fizičke mreže – ona predstavlja ljudsku mrežu pri čemu je moć u rukama krajnjeg korisnika. Mreža mijenja način na koji se međusobno družimo, komuniciramo, zabavljamo. Davatelji usluga, zdravstveni sektor, kablovski operateri, male i velike tvrtke mogu se upustiti u inovacije.

Cisco se nalazi u središtu prekretnice na tržištu koja mijenja izgled umrežavanja. Razvoj ide u smjeru kreiranja mrežne platforme na kojima će ljudi temeljiti svoje poslovanje i mijenjati svoja životna iskustva. Cisco je godinama ostvarivao ulaganja i razvijao inovacije kako bi izgradio ovu platformu. Svi smo mi krajnji korisnici koji koristimo mrežnu tehnologiju kada radimo, kada smo na putu, kada komuniciramo sa suradnicima, dijelimo informacije ili kada se nalazimo kod kuće. U prošlosti su tehnološke inovacije proizlazile iz poslovnih potreba – sadržaj, povezivanje i aplikacije bili su namijenjeni zaposlenicima, partnerima i korisnicima.

Danas je moć u rukama krajnjih korisnika, potičući inovacije u ljudskoj mreži i mijenjajući naša iskustva – na poslu, kod kuće, za vrijeme zabave.

- [**“Primary Policy Considerations and Formulation of a National Broadband Strategy”**](#)

Despina Anastasiadou

Presentation and topics addressed:

- [**“Authetification Technologies in Electronic Services”**](#)
- [**“Reliable authentication as the basic requirements for e-business services”**](#)

Dražen Pehar

Dražen Pehar, B.Sc.E.E, is the founder and CEO of Logos d.o.o., Zagreb. Logos is specialized for development, integration and implementation of its in-house made IT solutions, in the field of Contact Center and Strong Authentication. Thanks to his reach experience, and his roles in the implementation of numerous IT projects, Mr. Pehar is recognized as one of the leading experts in the above mentioned technology fields.

Presentation and topics addressed:

The first part of the lecture addresses the security issues of electronic transactions, in the first place the security issues of e-banking and Web-shopping services, with the emphasis on "Identity Theft" and related fraud. The second part gives the short overview and comparison of commonly used authentication technologies today. At the end, Croatian experiences in this field will be presented, together with the future trends.

- **"e-charter" :**

Eva Kuruc

Ms. Kuruc got her B.Sc. degree in Computer Science at the University of Zagreb, School of Electrical Engineering and Computing. At the same school, a few years later, she also earned her Master of Science degree in Applied Computer Science. She has more than 10 years of experience in business information systems development and implementation, in different positions varying from development engineer to project manager. Among her experience she especially values international experience in US, where she spent three years working on demanding IT solutions for international clientele of a New York based IT company. Currently she holds the position of a Head of Methodology, Risk Assessment and Project Management Business Unit in the company Infodom d.o.o., Zagreb. She is PMP certified and is a board member of the Croatian PMI department.

Presentation and topics addressed:

In 2005. Infodom, ltd. from Zagreb, Croatia, has implemented e-Charter application system „ One-Stop-Shop" service, for the Ministry of the Sea, Tourism, Transport and Development, enabling G2B and G2G processes. Using this system, charter companies can do their business with governmental institutions and bodies electronically, from one place. Development and implementation of this service system, available 24x7x365, encompassed legislation, business process reengineering, information infrastructure, interaction among governmental bodies as well as the security issues and Smart Card technology. Not long after the implementation of the system, benefits were obvious for both the Ministry of the Sea, Tourism, Transport and Development as well as charter companies: their business efficiency has been increased, while the operating expenses were significantly reduced. The most important effect of the system implementation was the regulation and the elimination of the black charter business activities.

Since the system started its operation in March 2005 until the end of October 2006, it processed over 0.5 million transactions. System has registered 800 charter companies with more than 3 000 boats.

e-Charter system is used on 80 distributed Ministry's locations.

According to the standardized indicators set by the eEurope 2005 Action Plan, e-Charter system complies with the highest 4th level, and therefore it was the first fully digitalized service established in Croatia on July, 13th 2005.

- **" Small Operator in WiMax – SME Story"**

Karlo Vlah

Karlo Vlah was born in 1985 in Čakovec. Since 1987 he lived in the Netherlands, where he finished scientific gymnasium. At the age of 8 he joined „stichting FACTA" where he graduated in informatica.

During his gymnasium time he worked part time at the internet service provider VIA.NET.WORKS International where he got his experience in network technologies.

In 2005 he returned to Croatia where he started the company NOVI-NET d.o.o.

He was the first who applied for a WiMAX licence in Croatia and in the first quarter of 2006 his company started to provide broadband internet services in the fixed wireless network relying on WiMAX technology.

Presentation and topics addressed:

The new WiMAX experience:

delivering broadband services to new customers in impossible areas.