

# Tudor Mihai BLAGA

2 Tuberozelor Street • Oradea BH 410202 • Romania  
+40-744-768818 • Tudor.Blaga@com.utcluj.ro

---

## EDUCATION/TRAINING

**Diplomat Engineer in Telecommunications Engineering**, Technical University of Cluj-Napoca Romania, Faculty of Electronics and Telecommunications, June 2002, 8<sup>th</sup> of 96

**Master of Science in Telecommunications Engineering**, Technical University of Cluj-Napoca Romania, Faculty of Electronics and Telecommunications, Specialization “Modern Techniques in Telecommunications”, June 2003, 1<sup>st</sup> of 15

**Course Completion Certificates for CCNA1-CCNA4**, Cisco Networking Academy Program, Faculty of Electronics and Telecommunications Cluj-Napoca Romania, November 2001

**Socrates/Erasmus Scholarship**, for 3 months (February – April 2005) at Vrije Universiteit Brussel (VUB) in Belgium.

## PROFESSIONAL EXPERIENCE

**Ph.D. Student** in Electronics and Telecommunications Engineering, Technical University of Cluj-Napoca Romania, Ph.D. Coordinator Professor Virgil Dobrota, Subject “Routing Protocols in TCP/IP” (November 2002 – November 2006)

**Teaching Assistant** in Broadband Networks, Technical University of Cluj-Napoca Romania, Faculty of Electronics and Telecommunications, Communications Department, since October 2002

## TECHNICAL SKILLS

- Practical knowledge and experience installing, configuring and maintaining Windows-like and Linux-like operating systems and LANs
- IPv4/IPv6 routing protocols RIP, OSPF, BGP knowledge and experience using Linux with zebra and gated daemons, as well as Cisco routers
- Strong knowledge of IP multicasting and multicast routing. Test performed using FreeBSD mrouted daemon and KAME’s pim daemons.
- Beginner C++ in Linux, work performed during scholarship at VUB. Project consisted in designing and implementing a PIM-SM listener module for the CastGate Router.
- Some experience with ns-2 bgp module
- ISDN, B-ISDN and SS7 knowledge as teaching assistant in Broadband Networks

## PUBLICATIONS

A total of 18 papers at conferences and in journals:

- **T. Blaga**, V. Dobrota, D. Zinca, C.M. Vancea, “Mobile IPv6: Configuration and Trials”, 2<sup>nd</sup> *RoEduNet International Conference “Networking in Education and Research”*, Iasi, June 5-6, 2003, pp. 27-34, ISBN 973-85791-9-8
- **T. Blaga**, V. Dobrota, “Routing Protocols in IPv4/IPv6 Using Linux”, *Proceedings of the IEEE International Conference “Communications 2004”*, Military Technical Academy, “Politehnica” University of Bucharest and IEEE Romanian Section Bucharest, 3-4 June, 2004, pp. 453-458, ISBN 973-640-035-2
- **T. Blaga**, V. Dobrotă, “Testing IPv4/IPv6-Based Unicast/Multicast Routing Protocols Using Linux and FreeBSD”, COST290, 1st Management Committee Meeting, Malta, October 7-9, 2004

- I. Katona, V. Dobrota, **T. Blaga**, G. Lazar, "Performance Evaluation of BGP-4+ in IPv4/IPv6", 4<sup>th</sup> RoEduNet International Conference "Education/Training and Information/Communication Technologies - ROEDUNET '05 ", Sovata, Targu-Mures, May 20-22, 2005, pp. 66-75, ISBN 973-7794-26-5
- **T. Blaga**, V. Dobrota, K. Steenhaut, I. Trestian, G. Lazar, "Steps Towards Native IPv6 Multicast: CastGate Router with PIM-SM Support", Proceedings of 14th IEEE Workshop on Local and Metropolitan Area Networks LANMAN 2005, Chania, Greece, 18-21 September 2005
- **T. Blaga**, V. Dobrotă, "Evaluating and Improving Alternative Multicast Solutions: CastGate and CastGate with PIM-SM", COST290, 5<sup>th</sup> Management Committee Meeting, Delft, The Netherlands, February 9-10, 2006
- **T. Blaga**, G. Hegedus, V. Dobrota, "Experimental Performance Determination of End System Multicast and Hypercast", The Scientific Bulletin "Acta Technica Napocensis" Electronics And Telecommunications, Technical University of Cluj-Napoca, Cluj-Napoca, Romania, vol. 48, nr. 1, 2007, pp.21-28.

## AWARDS

1. The 5<sup>th</sup> RoEduNet IEEE International Conference **BEST STUDENT PAPER**: "Performance Metrics for AGCS Applied to CastGate Technology and Native Multicast", Sibiu, 3<sup>rd</sup> of June, 2006.
2. **ERICSSON AWARDS** of Excellence in Telecommunications for the paper: "XCast++: Proposed Extension for Explicit Multicast Protocol", Bucharest, 30<sup>th</sup> of June, 2006.

## AFFILIATION

Member, IEEE Communications Society, since 2004.

## PERSONAL DATA

Date of birth: March 24, 1979, Oradea, Romania

## REFERENCES

Professor Virgil Dobrota, Technical University of Cluj-Napoca Romania

Tel: +40-264-401226

Fax: +40-264-597083

E-mail: [Virgil.Dobrota@com.utcluj.ro](mailto:Virgil.Dobrota@com.utcluj.ro)