KEYNOTE SPEAKER

Didier Colle
Univ. of Ghent (Belgium)
“Survivability in G/MPLS Networks”

Abstract

This talk aims at discussing survivability in multi-layer MPLS/GMPLS networks. After a motivation why survivability is needed in such networks, a brief overview is given of the recovery mechanisms available in the different technologies that can exist in such (G)MPLS networks. Then the pro's and con's of several strategies to provide recovery mechanisms in multiple layers will be investigated. Major issues to be tackled are the coordination of the actions performed by the different recovery mechanisms and the efficient sharing/transport of spare resources. Finally, the talk will be concluded by addressing some open issues for further study and that still need to be introduced in the GMPLS control plane protocols.

Biography

Didier Colle received a M. Sc. degree in electrotechnical engineering (option: communications) from the Ghent University in 1997. Since then, he has been working at the same university as researcher in the department of Information Technology (INTEC). He is part of the research group INTEC Broadband Communication Networks (IBCN) headed by prof: Piet Demeester. His research lead to a Ph.D degree in February 2002.

His research deals with design and planning of communication networks. This work is focussing on optical transport networks, to support the next-generation Internet. Up till now, he has actively been involved in several IST projects (LION, OPTIMIST, DAVID, STOLAS, NOBEL and LASAGNE), in the COST-action 266 and 291 and in the ITEA/IWT TBONES project. His work has been published in more than 70 scientific publications in international conferences and journals.
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