

**Emmanuel Duros is the newly appointed
Chairman of the UDLR (UniDirectional Link
Routing) Working Group at the IETF
(Internet Engineering Task Force)**

*Scientific researcher at the INRIA (French Research
Institute) from 1996 to 2000, Emmanuel Duros is now a
Networking Director at UDcast,
company he co-founded in June 2000*



Sophia-Antipolis, January 2, 2002

The Internet Engineering Task Force ([IETF](#)) is a large open international community of network designers, operators, vendors, and researchers concerned with the evolution of the Internet architecture and the smooth operation of the Internet. Active member of the IETF for many years, Emmanuel Duros (31) is appointed today as a **Chairman of the UDLR (UniDirectional Link Routing) working group created in April 97**. The most essential of his mission will consist of bringing his scientific and professional expertise to optimize the UDLR protocol in order to reach the official IETF standardization.

In February 1996, Emmanuel Duros joined INRIA (Institut de Recherche en Informatique et en Automatique) as an engineer working on the RODEO project. Main author and inventor of the UDLR technology, Emmanuel Duros designed, made the technical choices and implemented the mechanism, which enables to support the unidirectional links in the Internet.

Works led inside the RODEO project have contributed to get the IETF international recognition in March 2001 for the UDLR protocol under the RFC 3077 (Request For Comment). As a chairman, Emmanuel Duros will continue his research to bring the UDLR protocol at the IETF international standard certification level.

Emmanuel Duros comments: « *I am very proud as a chairman of the UDLR working group to represent a French company at the IETF; it is rather difficult for a non American company to standardize new protocols when considering so many competences and new ideas in Northern America. I am convinced that the protocol added to the satellite communication technologies will give birth to new Internet services for Enterprises and End-users* »

Today Emmanuel Duros is a Networking Director inside the UDcast R & D department. He is bringing his expertise and contributes to the software development based on the UDLR protocol, which optimally eases multimedia delivery by using satellite links in the Internet. Between 1995 and 1996, Emmanuel Duros worked in a research laboratory at the Sydney University of Technology (Australia), implementing the «IP mobile» protocol.

Emmanuel Duros is graduated Bachelor of Science of Bristol University (UK) together with telecommunications and IT (DESS and Magistère) from l'Université de Paris VI.

About UDcast

UDcast offers Internet access and application providers, content broadcasters and manufacturers of network and multimedia equipment with ready-to-use applications enabling the complete and transparent integration of special digital satellite (DVB-S), digital terrestrial (DVB-T) and digital radio (DAB) links into Internet content and transmissions.

UDcast was founded in June 2000 by Didier Tymen, Chairman and Chief Executive of the company, and four research engineers from INRIA specialising in the broadcasting of data at high bandwidths. The company now employs 18 people and is based in Sophia-Antipolis. UDcast also has offices in Paris. For more information, see the company's Web site at <http://www.udcast.com>