



Institute of Information Theory
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PRESS RELEASE

Screen Service and UTIA announce cooperation on the development of a DVB-T2 receiver

Screen Service, an Italian development and production company specializing in development and manufacture of television broadcasting systems, and UTIA, a research institute of the Academy of Sciences of the Czech Republic active in research of control, information and computer sciences, announced finishing the first stage of the cooperative project on developing an industrial receiver for the DVB-T2, a new generation of the digital terrestrial television broadcasting. DVB-T2 is the most advanced such system in the world and introduces the latest modulation and coding techniques to enable highly efficient use of valuable terrestrial spectrum for the delivery of audio, video and data services to fixed, portable and mobile devices.

Screen Service is making benefit of UTIA's long-term research in the field of advanced digital signal processing (DSP) algorithms, and its knowledge on efficient implementation in reconfigurable hardware. Within the frame of this cooperative project, Screen Service provides hardware platform, while UTIA's role lies in research, development and evaluation of algorithms suitable for implementation, as well as in design and verification of physical layer of a DVB-T2 receiver. This cooperation represents a step towards application of new innovative methods in standard industrial environment.

"Screen Service delivered the first DVB-T2 transmitter in the world after only two months from the new digital standard occurred on 26 June 2008. The equipment, compliant with the new standard designed by Screen Service, belong to the SWDT transmitter series (Software Defined Transmitter) which enables broadcasting of the signal of all standards, both in analog and digital, with the same equipment. This will guarantee to those clients that in the past have purchased equipment of this series, to use the same hardware to broadcast in the new standard, as a confirmation of the real "future proof" condition and reliability of the transmitters developed by Screen Service. An integral part of cooperation with UTIA is mutual knowledge transfer in the field of OFDM-based receivers, particularly in applicability of novel theoretical methods and algorithms in telecommunication industry", said Mike Bargauan, R&D director at Screen Service Broadcasting Technologies.

About Screen Service

Screen Service Broadcasting Technologies is a worldwide known company focused on turnkey solutions and end-to-end formulas for all broadcaster needs. With more than 20 years of experience and thousands of satisfied customers, Screen Service is the leading company in digital TV technology. For more information, visit <http://www.screen.it>.

About UTIA

The Institute of Information Theory and Automation (UTIA) is a research institute of the Academy of Sciences of the Czech Republic. It is concerned with the research in the field of control, information and computer sciences including in particular system theory, data processing and random processes from the point of view of mathematical modelling, decision-making, automatic control and signal processing. UTIA's aim is not only to cope with theoretical aspects of algorithmic design, but also to help industrial partners to solve the implementation issues in all their complexity. For more information, visit <http://sp.utia.cz>.