

Communication: from the book to the brain-computer interface

The number of new technologies is growing rapidly, and each one influences the way we communicate. This graphic shows a few of them, and highlights specialists who will be attending the Gottlieb Duttweiler Institute's 15th European Trend Day to speak on the topic of "Beyond Words: How New Interfaces Reshape Communication".



José del R. Millán (CH)
EPFL

Brain-computer interface (2014)
Transmission of EEG signals from brain to brain via the internet

Carl Guyenette (GB)
Ellipsis Entertainment

Google Glass (2012)
Public presentation of Google Glass

Haptic displays (2013)
Creation of the first screens with surfaces that change shape

David J. Linden (US)
Johns Hopkins University

Digital assistant (2016)
First digital fashion avatar goes online

Jörg Zuber (DE)
Opium effect

Chatbot (2005)
First chatbots become available on a mass scale



Aleksandra Przegalinska (PL)
MIT



Eugenia Kuyda (US)
Luka

Virtual reality (2013)
Oculus Rift VR goggles go on sale

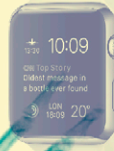


Activity Tracker (2000)
First wearable tool for recording physical activity goes on sale



Social Media (2002)
Launch of the first social network MySpace

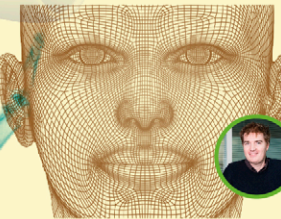
Smart Watch (2000)
Creation of the first wearable prototypes



iPhone (2007)
First iPhone is introduced

Tim Llewellyn (CH)
nviso

Emotion recognition (2001)
Development of the Viola-Jones framework for machine learning-based face recognition



Jowan Österlund (SE)
Biohax International

Implanted microchip (1998)
First microchip implanted in a human



Smartphone (1994)
First device to combine a telephone with the organisation of personal information



Speech recognition (1993)
Development of the first mass market speech recognition system, the IBM Personal Dictation System



Computer (1941)
Birth of the first fully functioning computer, the Zuse Z3



Television (1926)
World's first demonstration of television in London

Telephone (1876)
First practical application of the telephone by Alexander Graham Bell



Book (1440)
Invention of printing by Gutenberg



Telegraph (1838)
First transmission of electrical impulses through a wire

