Record Nr. UNINA9910972478803321 Autore Klingberg Torkel <1967-> Titolo The overflowing brain: information overload and the limits of working memory / / Torkel Klingberg; translated by Neil Betteridge Oxford;; New York,: Oxford University Press, 2009 Pubbl/distr/stampa **ISBN** 0-19-770897-8 0-19-988825-6 1-281-82601-4 9786611826017 0-19-970672-7 Edizione [1st ed.] Descrizione fisica 1 online resource (217 p.) Oxford scholarship online Collana 153 Disciplina Soggetti Human information processing - Physiological aspects Short-term memory - Physiological aspects Attention - Physiological aspects Cerebral cortex - Growth Neuroplasticity Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Previously issued in print: 2008. Note generali Nota di bibliografia Includes bibliographical references (p. 171-196) and index. Nota di contenuto Introduction: the stone age brain meets the information flood -- The information portal -- The mental workbench -- Models of working memory -- The brain and the magical number seven -- Simultaneous capacity and mental bandwidth -- Wallace's paradox -- Brain plasticity -- Does ADHD exist? -- The everyday exercising of our mental muscles -- Computer games -- The Flynn effect -- Neurocognitive enhancement -- The information flood and flow. As the pace of technological change accelerates, we are increasingly Sommario/riassunto experiencing a state of information overload. Statistics show that we are interrupted every three minutes during the course of the work day. Multitasking between email, cell-phone, text messages, and four or five websites while listening to an iPod forces the brain to process more

and more information at greater and greater speeds. And yet the human brain has hardly changed in the last 40,000 years. Are all these high-