1. Record Nr. UNINA9910454431403321 Autore Klingberg Torkel <1967-> Titolo The overflowing brain [[electronic resource]]: 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** 1-281-82601-4 9786611826017 0-19-970672-7 Descrizione fisica 1 online resource (217 p.) Disciplina 153 Human information processing - Physiological aspects Soggetti Short-term memory - Physiological aspects Attention - Physiological aspects Cerebral cortex - Growth Neuroplasticity Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references (p. 171-196) and index. Nota di contenuto Contents; 1. Introduction: The Stone Age Brain Meets the Information Flood; 2. The Information Portal; 3. The Mental Workbench; 4. Models of Working Memory; 5. The Brain and the Magical Number Seven; 6. Simultaneous Capacity and Mental Bandwidth; 7. Wallace's Paradox; 8. Brain Plasticity; 9. Does ADHD Exist?; 10. A Cognitive Gym; 11. The Everyday Exercising of Our Mental Muscles; 12. Computer Games; 13. The Flynn Effect; 14. Neurocognitive Enhancement; 15. The Information Flood and Flow; Notes and References; Index 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 informaton at greater and greater speeds. And yet the human brain has hardly changed in the last 40,000 years. Are all these high-