The STREAM TONE: *The Future of Personal Computing?*

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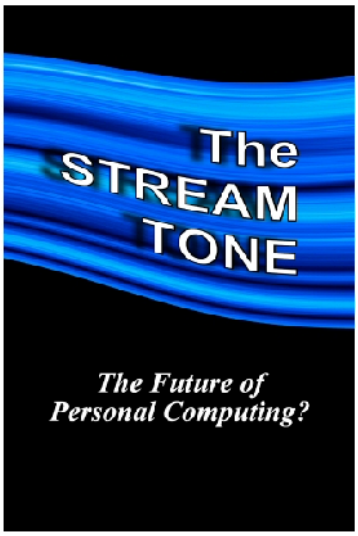

Imagine… *a world where your next personal computing device is the last one that you would ever need to buy. Where you would never need to worry about operating systems, software patches, or viruses. Where you always had enough processing power, memory, storage, and top-of-the-line graphics. Where you could access all of the very best software applications, regardless of their platform. Where you had a constant connection to all your favourite digital services, and your battery lasted for days, perhaps even weeks, of full-on use. Sounds good, doesn't it? Well, this is the world of the Stream Tone. A world that does not exist in some far off future; this could be, figuratively speaking, our world a mere five minutes from now. All that is needed to make it a reality is the creative convergence of certain technologies that are already available and in use today.*

The STREAM TONE: ***The Future of Personal Computing?***

Personal computing is changing from an old world of local services, provided by local devices, to a new world of remote Web-based services, provided by cloud computing-based data centres. **The STREAM TONE:** ***The Future of Personal Computing?*** is a 408-page academically-oriented non-fiction book that explores, in considerable technical detail, what might be required to make a comprehensive move to this exciting new world, and the many benefits that move could bring. This book not only attempts to make a thorough evaluation of the technology ecosystem that will be required to create this future but also considers many of the implications of such a move. Along the way, it also discusses a wide range of currently-available technologies (*see building blocks and precursors, listed below*) and how they could possibly be used to enable this future.

STREAM TONE BUILDING BLOCKS: ACCELEROMETER | AERIAL PLATFORM NETWORK | AMBIENT LIGHT SENSOR | ANAMORPHIC STRETCH TRANSFORM | APPLICATION PROGRAMMING INTERFACE | APPLICATION-SPECIFIC INTEGRATED CIRCUIT | APPLICATION STORE | APPLICATION STREAMING | ARM VERSION 8 | ASYMMETRIC MULTILEVEL OUTPHASING | AUTOSTEREOSCOPIC DISPLAY TECHNOLOGY | BACKWARD INCOMPATIBILITY | BAROMETER | BLUETOOTH | BROWSER-BASED OPERATING SYSTEM | CAPACITIVE SENSING | CERTIFICATION MARK | CHACHA20-POLY1305 | CLOUD COMPUTING | CODED TRANSMISSION CONTROL PROTOCOL | COGNITIVE RADIO | COMMUNICATIONS SATELLITE | COMPRESSION | CONTENT DELIVERY NETWORK | DAALA | DATA CENTRE | DIGITAL RIGHTS MANAGEMENT | DISTRIBUTED-INPUT-DISTRIBUTED-OUTPUT | DYNAMIC ADAPTIVE STREAMING OVER HTTP | ELECTRICALLY POWERED SPACECRAFT PROPULSION | ELECTRONIC PAPER | ELECTRONIC PRODUCT ENVIRONMENTAL ASSESSMENT TOOL | ENCRYPTION | ENERGY STAR | ERROR-CORRECTING CODE MEMORY | FAIR, REASONABLE, AND NON-DISCRIMINATORY LICENSING | FIELD-PROGRAMMABLE GATE ARRAY | FIFTH-GENERATION MOBILE COMMUNICATIONS | FILE HOSTING SERVICE | FOUNDATION | FOURTH-GENERATION MOBILE COMMUNICATIONS | FREE AND OPEN-SOURCE SOFTWARE | FREE LOSSLESS AUDIO CODEC | FREEMIUM | G.993.5 | GLOBAL POSITIONING SYSTEM | GNU/LINUX | GYROSCOPE | H.264 | H.265 | HARD DISK DRIVE | HETEROGENEOUS COMPUTING | HOSTED DESKTOP | HYPERTEXT MARKUP LANGUAGE VERSION 5 | HYPERTEXT TRANSFER PROTOCOL 2.0 | HYPERTEXT TRANSFER PROTOCOL SECURE | IMAGE SENSOR | INDIUM GALLIUM ZINC OXIDE BACKPLANE | INSTANT MESSAGING | INTERNET | INTERNET ENGINEERING TASK FORCE | INTERNET MEDIA TYPE | INTERNET PROTOCOL VERSION 6 | INTERNET TELEVISION SERVICE | KA BAND | LIFESTREAMS | LINUX | LITHIUM-ION BATTERY | LIVE CD | MAGNETOMETER | MASSIVELY MULTI-PLAYER ON-LINE GAME | MESH NETWORK | MODULAR DESIGN | MP3 | MULTI-FACTOR AUTHENTICATION | NEAR-FIELD COMMUNICATION | NETWORKED PERIPHERAL | OPEN-SOURCE HARDWARE | OPENCORES | OPENFLOW | OPENSTACK | OPERATING SYSTEM-LEVEL VIRTUALISATION | OPTICAL FIBRE | OPTICAL ORTHOGONAL FREQUENCY-DIVISION MULTIPLEXING | OPUS | ORBX.JS | ORGANIC LIGHT-EMITTING DIODE DISPLAY SCREEN | PHASE-CONJUGATED TWIN WAVES | PHOTOVOLTAICS | PHYSICAL TO VIRTUAL | POWER OVER ETHERNET | PROXIMITY SENSOR | RADIO OVER FIBRE | REAL-TIME STREAMING PROTOCOL | REAL-TIME TRANSPORT PROTOCOL | REDUCED INSTRUCTION SET COMPUTING | REDUCING INTERNET TRANSPORT LATENCY | REGULATION | REMOTE FRAMEBUFFER | ROAMING AGREEMENT | SINGLE SIGN-ON | SITE-SPECIFIC BROWSER | SMALL CELL | SMART ANTENNA | SMART-PHONE | SOFTWARE-DEFINED RADIO | SOLID-STATE DRIVE | SPEEX | STREAMED SERVICES | STREAMING MEDIA | SUBMARINE COMMUNICATIONS CABLE | SYMMETRICAL BROADBAND | SYSTEM ON A CHIP | TABLET COMPUTER | THEORA | THIN CLIENT | TRANSFLECTIVE LIQUID-CRYSTAL DISPLAY | UNIVERSAL SERVICE OBLIGATION | UNLIMITED DATA PLAN | VIRTUAL MACHINE | VISIBLE LIGHT COMMUNICATION | VOICE OVER INTERNET PROTOCOL | VORBIS | VORTEX RADIO | VP8 | VP9 | WEB | WEB-BASED SERVICES | WEB BROWSER | WEB DESKTOP | WEB REAL-TIME COMMUNICATION | WEBP | WI-FI | WIFOX | WORLD WIDE WEB CONSORTIUM | X264 | X265 | ZOPFLI

STREAM TONE PRECURSORS: ACER C710-2055 | AFRICAN COAST TO EUROPE SUBMARINE COMMUNICATIONS CABLE | ALCATEL-LUCENT 400G PHOTONIC SERVICE ENGINE | BBC IPLAYER RADIO | CITRIX HIGH-DEFINITION USER EXPERIENCE SYSTEM ON A CHIP | DROPBOX | FREE ZONE | GAIKAI | GOOGLE DATA CENTRE, QUILICURA | HEWLETT-PACKARD PHOTOSMART 7520 E-ALL-IN-ONE PRINTER | HYLAS 2 | JOLIDRIVE | LAGOA | LG 55G2 | MOLTEN DESKTOP-AS-A-SERVICE | NETFLIX | NVIDIA VGX-K1 | ONLIVE | OPERA | PEPPERMINT | QUALCOMM MDM9625 | QUALCOMM RF360 FRONT END SOLUTION | SHARP AQUOS ZETA SH-02E | SINGAPORE THIRD-GENERATION MOBILE QUALITY OF SERVICE FRAMEWORK | SIRI | SKYPE | SO-NET NURO LIGHT | SOUNDHOUND | TELSTRA MOBILE BROADBAND | TIGHTVNC | TWITCH | UBISLATE 7C+ | UNITED KINGDOM DIGITAL DIVIDEND | VIASAT EXEDE INTERNET | WEB 2.0 CALC | WHATSAPP MESSENGER | WILMINGTON TELEVISION WHITE SPACES BROADBAND NETWORK | WORLD OF WARCRAFT | YOUTUBE | ZEROPC | ZOHO.COM | plus many more in summary form

Supporting materials (errata, hyperlink-extract, etc.) now available

For further information please visit: **www.TheStreamTone.com**

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