










EDITORIAL Contact Info

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Editorial Features						Deadlines		
Issue	See DETAILS for more information on article content					Editorial		Ads
	Special Feature	Tech Feature	App Feature	Product Guide	Tradeshows/ Promotions	Abstract due/ First draft due	Editor's final draft due to layout	Ads Close/ Ads Due
January/ February  Special: New VITA Stds	<b>Latest COTS technologies on VME:</b> - Processors, serial fabrics, FPGAs, low power, RF, embedded S/W  Hot news from Bus&Board (B&B)	<b>Can the VME party last?</b> - Series of insightful commentaries from industry - Vendors, customers, competing bus standards  Industry asks: VITA's Exec Director (Ray Alderman): Lunatic or Luminary?	 <b>Designing with VITA 41 (VXS), 46 (VPX), 48 (REDI), and other serial fabrics:</b> - SBCs, backplanes, breakout boards, XMC mezzanines, chassis	 <b>New VITA Standards</b> - Special exposés on: VITA 48, VITA 56, VITA 58	<b>Web tie-in to B&amp;B new product announcements</b>  <b>CMSE</b>	11/19/06 <b>12/10/06</b>	1/11/07	12/28/06 <b>1/11/07</b>
March/April  Special: DSP/FPGA	 <b>Operating systems:</b> - Real time (RTOS) - Linux developments - Windows XP Embedded/CE - Custom kernels - IDE tools and simulators	 <b>DSP, FPGA, and reconfigurable computing:</b> - DSP, FPGA, programmable boards - FPGA vendor road maps - IP libraries and unique function products/tools  Special: VITA 55 (Aurora protocol), VITA 57 FPGA mezzanine standard	<b>Signal Processing/Multiprocessors:</b> - Radar, sonar, sensors, and I/O - DSP, FPGA, VME cluster computers - High-Performance Embedded Computing/High-Performance Computing (HPEC/HPC)	<b>Mezzanine Cards: PMC, PrPMC, XMC, others</b>  <b>Special Editorial add-in: Serial fabric boards</b> - PCI Express - RapidIO - VITA 41, 42, 46	<b>CoolCON</b>	12/28/06 <b>1/17/07</b>	2/16/07	2/2/07 <b>2/16/07</b>
May/ June  Special: Resource Guide	<b>4th Annual VME and Critical Systems Resource Guide</b> Accepting Executive <i>Speakout on Trends</i> Features (contact cciuffo@opensystems-publishing.com)  Plus: editorial focus on <b>Test &amp; Analysis, Analyzers, Data Recorders, Instrumentation, Sensors</b>					2/28/07 <b>3/15/07</b>	4/13/07	4/5/07 <b>4/20/07</b>
July/ August  Special: Systems	 <b>Mass storage</b> - VME cards, solid-state flash disks, file systems, reliability - JBOD, RAID, data recorders, redundancy, reliability - Interfaces: Fibre Channel, FPDP, SATA, SCSI, PCIe	 <b>Single Board Computers (SBCs):</b> - Trends, changes - Multicore processors (AMD, Intel, IBM/Sony Cell, etc.) - I/O options - Will DSPs and/or FPGAs replace processors?	 <b>Video and graphics:</b> - Displays and interface specs - Boards, processors, frame grabbers - JPEG/MPEG compression, OpenGL - Data movement - sensors	<b>Latest SBCs and RTOSs</b>  (Tie-in to full list online)	<b>Autotestcon GSPx</b>	5/1/07 <b>5/22/07</b>	6/21/07	6/7/07 <b>6/21/07</b>
September/ October  Special: Rugged and Cooling	<b>Mechanical considerations and severe environment:</b> - Conduction cooling, air cooling - Packaging - Heat sinks, fans - Chassis, ATR boxes, racks - VITA 48, 58 and next-gen liquid/mist cooling  Also: VITA 56 vs MIL-HBK-217	 <b>Safety- and Mission-critical</b> - Software - Certifications - Hardware design techniques - Flash memory and storage - DO-178B, ARINC-653, security, trusted computing, MILS	 <b>Data acquisition:</b> - Boards - Special ICs - A/D, D/A - Serial - FPDP, Serial FPDP - Others	<b>VME Graphics Products</b>  <b>On-line tie-in: Conduction-cooled VME boards and mezzanines</b>	<b>SDR Forum</b>	6/27/07 <b>7/19/07</b>	8/21/07	8/7/07 <b>8/21/07</b>
November/ December  Special: Buyers' Guide	<b>25th Annual Buyer's Guide</b> <b>Theme: VME Evolves Beyond the Backplane</b>  Accepting Buyers' Guide Category Lead-in Features (contact cciuffo@opensystems-publishing.com) Sections: Audio/Video, Devices, Carrier Boards, Mezzanine, Communications, TCP/IP, Serial Fabrics, Automation, Packaging, Ruggedized, MIL-STD, S/W and Development Tools, Test and Analysis, VXI Controllers, Displays, VXI Instruments, SBCs, and more.			<b>Military, avionics, and SDR boards and systems</b>	<b>Bus&amp;Board 2008</b>	8/29/07 <b>9/20/07</b>	10/19/07	10/5/07 <b>10/19/07</b>

**Columns:** Editor's Foreword, VITA News, VITA Standards Update, VME in Europe, and Military Technology Insider

**Departments:** Editor's Choice Products, New Products

**E-letters:** OpenSystems Publishing e-letters share the same theme as each issue's Special Feature and include bonus contributed material

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Issue	Topic	Details
Issue 1 February  Special: New VITA Stds	<b>Latest COTS technologies on VME:</b> - Processors, serial fabrics, FPGAs, low power, RF, embedded S/W  Hot news from Bus&Board (B&B)	Articles will focus on the latest technology trends and how they do or might apply to VME. Example: IBM Cell BE from Sony PlayStation or Microsoft's impending Windows Vista.  The Bus&Board show will have concluded in January, and editors will include the newest products and create a special online product listing.
	<b>Can the VME party last?</b> - Series of insightful commentaries from industry - Vendors, customers, competing bus standards  Industry asks: VITA's Exec Director (Ray Alderman): Lunatic or Luminary?	Industry interviews and Guest Opinions on where VME is going in the future. VITA 58 will be peeled back, along with many of the VSO's hottest working group standards.  A special section will examine VITA's executive director's prognostications over the last 10 years, and he'll provide his next 10-year "road map."
	<b>Designing with VITA 41 (VXS), 46 (VPX), 48 (REDI), and other serial fabrics:</b> - SBCs, backplanes, breakout boards, XMC mezzanines, chassis	Contributed articles from suppliers and customers using VITA 41, 46, and 48.  Special emphasis on mezzanine cards, backplanes, and other system aspects.
	<b>New VITA Standards</b> - Special exposés on: VITA 48, VITA 56, VITA 58	Product listing of the newest boards compliant with these VITA standards.
Issue 2 April  Special: DSP/FPGA	<b>Operating systems:</b> - Real time (RTOS) - Linux developments - Windows XP Embedded/CE - Custom kernels - IDE tools and simulators	Articles will look at the latest RTOS trends – both stand-alone and how they affect VME systems.  Software development tools will be given extra emphasis.  Also, special emphasis will look at SBCs running Microsoft software.
	<b>DSP, FPGA, and reconfigurable computing:</b> - DSP, FPGA, programmable boards - FPGA vendor road maps - IP libraries and unique function products/tools  Special: VITA 55 (Aurora protocol), VITA 57 FPGA mezzanine standard.	Application-based articles on DSP algorithms, boards, and systems, as well as FPGA-based systems.  The topic of reconfigurability will be given emphasis.  New FPGA-oriented VITA standards will be probed.
	<b>Signal Processing/Multiprocessors:</b> - Radar, sonar, sensors, and I/O - DSP, FPGA, VME cluster computers - High-Performance Embedded Computing/High-Performance Computing (HPEC/HPC)	Contributed articles from suppliers and customers on DSP, FPGA, and reconfigurable boards and systems.  Cluster computing will be examined by an OSP editor.
	<b>Mezzanine Cards: PMC, PrPMC, XMC, others</b>  <b>Special Editorial add-in: Serial fabric boards</b> - PCI Express - RapidIO - VITA 41, 42, 46	Product Guide will list mezzanine cards.  Product Guide will be "framed" with editorial on switched serial fabrics.
Issue 3 June  Special: Resource Guide	<b>4th Annual VME and Critical Systems Resource Guide</b> Accepting Executive <i>Speakout on Trends</i> Features (contact cciufu@opensystems-publishing.com)  Plus: editorial focus on <b>Test &amp; Analysis, Analyzers, Data Recorders, Instrumentation, Sensors</b>	This is our annual "open microphone" issue where industry executives – from customers to vendors and OSP editors – express opinions and optimism on the state of the VME industry. Editor Chris Ciufu likes to intentionally collect a "grab bag" of technical content, most of which deviates from the norm but is relevant to the VMEbus industry.  There will also be several articles pertaining to test and analysis, sensors, and data recorder systems based upon VME.
Issue 4 August  Special: Systems	<b>Mass storage:</b> - VME cards, solid-state flash disks, file systems, reliability - JBOD, RAID, data recorders, redundancy, reliability - Interfaces: Fibre Channel, FPDP, SATA, SCSI, PCIe	Hard disks are no longer the most prevalent way to store data in VME systems: solid-state drives have supplanted HDDs. This collection of articles will focus on flash-based storage, but still include articles on data recorders and other HDD-based systems.  Contributed articles on interface standards will round out this systems-level focus.
	<b>Single Board Computers (SBCs):</b> - Trends, changes - Multicore processors (AMD, Intel, IBM/Sony Cell, etc.) - I/O options - Will DSPs and/or FPGAs replace processors?	SBCs are the most popular type of VME board. The editors will look at processor and architecture trends on SBCs, including fabrics, interconnects, mezzanine cards, and whether DSPs and FPGAs will replace popular CPUs such as the PowerPC.  Special: IBM/Freescale's Power Architecture turns 1 year old in August 2007. Editors ask: "So what's changed?"
	<b>Video and graphics:</b> - Displays and interface specs - Boards, processors, frame grabbers - JPEG/MPEG compression, OpenGL - Data movement - Sensors	Contributed articles on all things graphical: from GPUs to frame grabbers to compression technology.  Case study articles will be solicited on real-world systems relying on VME and mezzanine graphics products.
	<b>Latest SBCs and RTOSs</b>  <b>(Tie-in to full list online)</b>	The Product Guide will emphasize the latest SBCs (those introduced since June 1, 2007) with a full listing of all VME SBCs online.  A special subsection will list the popular embedded RTOSs used in VME systems.
Issue 5 October  Special: Rugged and Cooling	<b>Mechanical considerations and severe environment:</b> - Conduction cooling, air cooling - Packaging - Heat sinks, fans - Chassis, ATR boxes, racks - VITA 48, 58, and next-gen liquid/mist cooling  Also: VITA 56 vs MIL-HBK-217	"All things mechanical": Editors will look at cooling, heatsinks, and the latest VME standards pertaining to air- and conduction-cooled boards and systems.  Staff-written content examines how MIL-HBK-217 is being updated.
	<b>Safety- and Mission-critical</b> - Software - Certifications - Hardware design techniques - Flash memory and storage - DO-178B, ARINC-653, security, trusted computing, MILS	Looking for case study articles on mission-critical systems and software.
	<b>Data acquisition:</b> - Boards - Special ICs - A/D, D/A - Serial - FPDP, Serial FPDP - Others	"Where the I/O meets the road." Articles to focus on <i>nondigital</i> implementations.
	<b>VME Graphics Products</b>  <b>On-line tie-in: Conduction-cooled VME boards and mezzanines</b>	Product Guide on the latest graphics boards.  Sublisting of brand new conduction-cooled VME boards (full tie-in to online Product Guide).
Issue 6 December  Special: Buyers' Guide	<b>25th Annual Buyer's Guide</b> <b>Theme: VME Evolves Beyond the Backplane</b>  Accepting Buyers' Guide Category Lead-in Features (contact cciufu@opensystems-publishing.com) Sections: Audio/Video, Devices, Carrier Boards, Mezzanine, Communications, TCP/IP, Serial Fabrics, Automation, Packaging, Ruggedized, MIL-STD, S/W and Development Tools, Test and Analysis, VXI Controllers, Displays, VXI Instruments, SBCs, and more.	Editors are looking at how VME is used in systems, and how new VME standards like VITA 58 are systems-oriented. Articles will focus on chassis, box-level enclosures, shelf management, high availability, and other systems-level aspects of using VME.  Editors are open to suggestions on systems-level features. Contact an OSP editor with a proposal and we'll consider it.
	Military, avionics, and SDR boards and systems	Does all this "COTS stuff" really work in deployed systems? Editors investigate.