



ACCU Conference

—
10th - 13th April, Bristol

32
Years

8000+
Publishers

£64m
Revenue

60
Colleagues

240K
Enterprises



Welcome

We would like to offer you a warm welcome to ACCU Conference Event.

We are extremely grateful and proud to represent Intel at the ACCU event for over 6 years.

The Intel - QBS relationship goes back many years, and we are immensely proud to present the latest version of Intel Parallel Studio XE 2019 on the stand.

We will also be showcasing one of our hardware offerings with the Intel NUC - which to us defines small form factor computing.

It is immensely pleasing to see that one of our key publishers (JetBrains) have chosen to exhibit at the ACCU conference, having their own stands. We hope that you will be spending time speaking with them too.

Many thanks and on behalf of all the team at QBS we wish you a pleasant time.

The QBS Team

 Follow us on LinkedIn

[linkedin.com/company/qbs-software](https://www.linkedin.com/company/qbs-software)



QBS Software have been identified by London Stock Exchange as one of the **1000 fastest growing SME businesses in the UK** and has been recognised in their (Companies to Inspire Britain 2018) report.

 London
Stock Exchange Group

1000
COMPANIES TO INSPIRE
BRITAIN 2018

Some of our key publishers...

ABBYY



BLUEBEAM
A NEMETSCHEK COMPANY

SG:Desktop

mindjet.

PAESSLER
**PRTG
NETWORK
MONITOR**

TechSmith®

ManageEngine®

nitro

ALTOVA®

redgate

Nagios®

SPARX
SYSTEMS

TeamViewer

intel® Software

SMARTBEAR

syncro
soft

Foxit®

texthelp™

opentext™

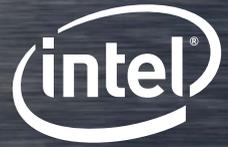
VYOND

Solidatus

alteryx

DocuSign®

...plus over 8000 more



Success Brief

Intel® Developer Products

Intel® HPC tools

Manufacturing and Industrial



“This breakthrough delivers the missing link for CAE-driven design in vehicle safety. This, combined with our new hybrid solver approach, has enabled us to eliminate the turnaround time bottleneck inherent to virtual crash testing. Now, multidisciplinary optimization for crash, durability, and NVH will be able to provide valuable input to the design process.”

*Dr. Uwe Schramm
CTO for HyperWorks
Altair Engineering, Inc.*

Creating a new standard in virtual crash testing

Altair advances frontal crash simulation with help from Intel® Software Development products.

Company Altair Engineering, Inc. empowers client innovation and decision making through technology that optimizes the analysis, management, and visualization of business and engineering information. Privately held, with more than 1,300 employees, Altair has offices throughout North America, South America, Europe, and Asia/Pacific. With a 25-year track record for product design, advanced engineering software, and cloud computing technologies, Altair consistently delivers a competitive advantage to customers in a broad range of industries. Built on a foundation of design optimization, performance data management, and process automation, HyperWorks is an enterprise simulation solution for rapid design exploration and decision making. To learn more, please visit www.altair.com and www.altairhyperworks.com.

Mission Deliver the first simulation code to solve a full vehicle frontal crash simulation with more than 1 million elements in less than five minutes.

Product RADIOSS is a next-generation finite element analysis (FEA) solver for linear and non-linear simulations. It can be used to simulate structures, fluids, fluid-structure interaction, sheet metal stamping, and mechanical systems. This robust, multidisciplinary solution allows manufacturers to maximize durability, noise and vibration performance, crashworthiness, safety, and manufacturability of designs in order to bring innovative products to market faster.

Challenge Use state-of-the-art hybrid programming mixing different parallelization techniques to achieve more scalability and deliver optimal performance for very large number of processors.

Results The five-minute goal was successfully exceeded (294s achieved using 1024 cores [128 MPI x 8 OpenMP*]) and overall performance has been increased by 10x.

Impact Altair improved customer satisfaction by exceeding customer performance and timeline requirements.



Intel® Software Development Products

Intel® high-performance computing (HPC) products are designed specifically for software developers using the C++ or Fortran programming languages.

Leveraging leading multicore compilers, libraries, and cluster tools, Intel HPC products give you everything you need to build, debug, tune, and optimize Windows®, Linux®, and Mac OS® X-based applications.

With Intel's powerful HPC tools, you can speed development of reliable threaded applications from desktop to device, enabling you to innovate, optimize end-user experiences, and pull more from the latest Intel® multicore processors.

A complete, end-to-end solution

Intel HPC tools work together to support the entire development lifecycle.

Build: Develop for intensive computing

Intel® Professional Edition Compilers
 Intel® Threading Building Blocks
 Intel® Integrated Performance Primitives
 Intel® Math Kernel Library

Correct: Find errors

Intel® Thread Checker

Optimize: Tune your app

Intel® VTune™ Performance Analyzer

Cluster: Implement cluster apps

Intel® Thread Profiler
 Intel® Cluster Toolkit
 Intel® Cluster Toolkit Compiler Edition
 Intel® Trace Analyzer and Collector
 Intel® MPI Library
 Intel® Cluster Ready

To enjoy a free 30-day evaluation of Intel® HPC products, visit the Intel® Evaluation Center: www.intel.com/software/products/eval.

Challenge: Why Altair's products benefit from utilizing parallelism

Virtual crash tests are one of the most time-consuming tasks in the automotive development process. Altair wished to demonstrate the feasibility of a new analysis process that drastically reduces the simulation time needed for virtual crash testing. In terms of the product lifecycle, it sought to reduce both prototyping costs and time to market—two key competitive advantages for Altair customers.

Massively parallel programming enables very good scalability using domain decomposition techniques and an MPI communication library; such scalability tends to decrease as the number of processors increases and the amount of data to compute decreases.

Altair used state-of-the-art hybrid programming mixing different parallelization techniques (MPI and OpenMP) to achieve more scalability and deliver optimal performance at very large number of processors. To accomplish its goal, Altair leveraged the optimization made possible by Intel® compilers, libraries, and tools to sustain the required efficiency. There exists no real alternative to achieve the necessary level of performance.

Results

The five-minute goal was successfully exceeded (294s achieved using 1024 cores [128 MPI x 8 OpenMP]) and overall performance was increased by 10x. As a result of hybrid programming, scalability of the code demonstrated up to 1024 cores. In addition, a new numerical algorithm, called Advance Mass Scaling (AMS), decreased computational costs.

Altair enjoyed improved customer satisfaction by exceeding current customer performance and timeline requirements by enabling faster evaluate design variant evaluations and less time-consuming design sensitivity and robustness analysis. For the market, this advancement can be considered a disruptive approach by cutting simulation time from the hours previously required to minutes, making possible new processes and advancements in virtual crash testing such as finer meshes, integration of better material laws with rupture, optimizations, and scatterings, etc. By decreasing the delay of virtual crash testing, both time to market and costs can be drastically decreased.

How Intel® Software Development products assisted

To meet its speed, scalability, and performance objectives, Altair incorporated a range of Intel Software Development tools, including the following:

- Intel® compilers
- Intel® VTune™ Performance Analyzer
- Intel® Cluster Toolkit
- Intel® Trace Analyzer and Collector
- Intel® MPI Library

Altair and Intel were also able to leverage the Intel® Xeon® processor 5500 series-based clusters and deliver substantial performance improvement for crash simulations. This improvement will have long-term benefits for the industry.

Finally, Intel provided technical help for running and optimization, access to computing resources, and marketing support.

**The Software Delivery Platform
for your enterprise through
your chosen reseller**

**Access to over 8000
software publishers from
all over the globe**

**Streamline your software
procurement process**

**We have delivered
software to over 240,000
enterprises since 1987**

The QBS Complete Range of Software

With over 8000 software publishers QBS has by far the largest range in the world – all available from over 4000 accredited QBS Reseller partners. Here are the 96 subcategories where you can find our software.

<p>IT Management</p> <ul style="list-style-type: none"> Network Management Enterprise Information Management Network Monitoring Servers Systems Management Help Desk Email Servers and Management Deployment & Patch Management Tools & Utilities Backup & Disaster Recovery Asset Management Auditing and reporting 	<p>Digital Workplace</p> <ul style="list-style-type: none"> Productivity Tools Operating Systems Office Applications PDF Tools Project Management Document Management Business Process Management & Modelling Collaboration Presentation e-Learning Tools Assistive Technology Content Management 	<p>Data Management</p> <ul style="list-style-type: none"> Data Preparation Data Blending Business Intelligence Data Visualisation Data Analysis Data Extraction Reporting Data Validation Data Conversion Data Migration Data Distribution Data Management 	<p>Virtualisation</p> <ul style="list-style-type: none"> Backup Recovery Desktop Virtualisation Virtual Environments Management Migration Storage Virtualisation Server Virtualisation Network Virtualisation Application Virtualisation Hardware Virtualisation Cloud Management Cloud Backup
<p>Security</p> <ul style="list-style-type: none"> Endpoint Protection Retail Packaged Cybersecurity Risk Assessment Antivirus & Antimalware Data Loss Prevention Web Security Encryption Network Security Data Erasure Firewall and VPN Hardware Encrypted Devices Risk Assessment 	<p>Creative</p> <ul style="list-style-type: none"> Graphic Design Video Audio 3D Modelling Animation Capture Imaging Applications Desktop Publishing Image Editing Illustration Web Imaging Tools Mac Design & Publishing 	<p>Database Management</p> <ul style="list-style-type: none"> DB Administration DB Design DB Maintenance DB Connectivity DB Security DB Access DB Development DB Monitoring Tuning Debugging SQL Linux Databases 	<p>DevOps Tools</p> <ul style="list-style-type: none"> Development Tools Languages Code Tools Components & Libraries Integration Deployment IDEs Mobile & Embedded Development Web Development Reporting Visual Modelling Testing and Debugging

INTEL® NUC

Mini PC, Full-Sized Performance



intel OPTANE™
MEMORY

intel IRIS™
GRAPHICS



intel
experience
what's inside™

For more information, visit intel.com/nuc

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Other names and brands may be claimed as the property of others.

INTEL® NUC

“Intel® NUC 7 Mini PCs”

	Intel® NUC 7 Enthusiast, a Mini PC with Windows 10 – NUC7i7BNHXG	Intel® NUC 7 Home, a Mini PC with Windows 10 – NUC7i5BNHXF	Intel® NUC 7 Home, a Mini PC with Windows 10 – NUC7i3BNHXF
CPU & Graphics	7th Generation Intel® Core™ i7-7567U 3.5 GHz to 4.0 GHz Turbo, Dual Core, 4 MB cache, 28W Intel® Iris™ Plus Graphics 650, 300 MHz - 1.1 GHz	7th Generation Intel® Core™ i5-7260U 2.2 GHz up to 3.4 GHz Turbo, Dual Core, 4 MB cache, 15W Intel® Iris™ Plus Graphics 640, 300 MHz - 950 MHz	7th Generation Intel® Core™ i3-7100U 2.4 GHz, Dual Core, 3 MB cache, 15W Intel® HD Graphics 620, 300 MHz – 1 GHz
RAM	8 GB DDR4-2400 SODIMM pre-installed, 1.2V Dual-channel capable, 32 GB maximum	4 GB DDR4-2400 SODIMM pre-installed Dual-channel capable, 32 GB maximum	
Intel® Optane™ Memory	32 GB M.2 22x80 module pre-installed	16 GB M.2 22x80 module pre-installed	
HDD	2 TB SATA3 pre-installed	1 TB SATA3 pre-installed	
USB-C™ Port	Thunderbolt™ 3 (40 Gbps) and USB 3.1 Gen2 (10 Gbps) and DisplayPort 1.2		USB 3.1 Gen2 (10 Gbps) and DisplayPort 1.2
OS Load	Windows 10 Home x64, Intel® Remote Keyboard		
Dimensions	115 x 111 x 51 mm		
Connectivity	2x front USB 3.0 (one charging), 2x rear USB 3.0, and 2x internal USB 2.0 via header Front Consumer Infrared port		
Video Outputs	HDMI 2.0a (4K 60Hz, HDR) and DisplayPort 1.2 via Thunderbolt™ 3 / USB-C™ port Both ports support HDCP 2.2		
SDXC	MicroSDXC slot with UHS-I support		
Networking	Intel® i219-V 10/100/1000 Mbps Ethernet Intel® Wireless-AC 8265 soldered-down, IEEE 802.11ac 2x2 + Bluetooth v4.2, internal antennas		
Audio	Up to 7.1 multichannel digital audio via HDMI or DisplayPort signals 3.5mm front headset jack		
Enclosure	Aluminum and plastic with replaceable lid, Kensington lock with base security		
Power Adapter	12 – 19V _{DC} input range, 19V _{DC} 65W wall-wart power supply with replaceable plugs		
Internal Headers	Front Panel, CEC, 2x USB2.0		
Other Features	Microsoft Windows® 10 logo'd, compatible with various Linux distros Front panel RGB LED ring Built-in dual-array microphones VESA mounting plate included Individual retail packaging Three-Year Warranty		



For more information, visit intel.com/nuc

Facts on QBS



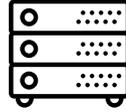
4000

Active resellers use QBS as their software delivery partner



32+

Years old. Long established expert in software



8000+

Publishers in our portfolio



240K

Enterprises have had their software delivered through the QBS platform



30+

Different languages spoken by QBS staff



Expertise

Highly experienced pre-sales, delivery and post sales teams

Fast. Reliable. Responsive.

CYBER SECURITY & CLOUD EXPO GLOBAL 2019
25-26 April 2019
Olympia Grand, London

COME AND VISIT US AT STAND 560

12,000 Attendees 500+ Speakers 300+ Exhibitors

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WIN a Datashur Pro USB Flash drive from iStorage

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iStorage is the trusted global leader of PIN authenticated, hardware encrypted data storage devices, that include: USB Flash Drives, Hard Disk Drives, and Solid State Drive formats. We deliver the most innovative products to securely store and protect data to Military specified encryption levels, safeguarding your valuable business information whilst ensuring compliance to regulations and directives.

On a daily basis, we hear about “cloud hacks” or “data protection

loss” in the press, with business and consumers alike, questioning their data protection methods. iStorage has been awarded the coveted ‘Security Innovation of the Year’ award from the BCS & Computing UK IT Industry awards, which provide a platform for the entire profession to celebrate best practice, innovation and excellence, for the iStorage’ datAshur® AES 256-bit hardware encrypted USB flash drive with PIN code access for its innovative security measures, ease of use and affordability.

CODE MAXIMIZED

Develop high performance parallel applications from enterprise to cloud, and HPC to AI using Intel® Parallel Studio XE. Deliver fast, scalable and reliable, parallel code.



#HighPerformance