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National Collegiate Inventors  
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**SCHEDULE**

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## ARCHIVES - 2006



### I2V Colorado Springs: Speaker Profiles

November 17, 2006

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#### David Allen, Associate Vice President, University of Colorado

David N. Allen became the University of Colorado's assistant vice president for technology transfer in February 2002. In June 2003 he was promoted to associate vice president. As AVP he has responsibility for intellectual property and technology licensing matters across the four CU campuses. Dr. Allen's primary objective is to continue the momentum that has led to a turn around of the CU technology transfer operation so it becomes one of the top technology transfer operations in the U.S.

Previously, Dr. Allen was the assistant vice president for technology partnerships at Ohio State University. In this role, he had responsibility for the Offices for Technology Licensing, Technology Partnerships and Business and Industry Contracts. Before coming to Ohio State in 1997, Dr. Allen was assistant vice president for technology and economic development at Ohio University, Athens. From 1991 to 1997, he managed two OU technology development programs: the Innovation Center Program and the Technology Transfer Office. Additional duties were assumed from July 1992 to October 1995 when he was the director of Ohio University's Edison Biotechnology Institute.

Prior to working at Ohio University, he was a public policy and business administration professor at Pennsylvania State University, University Park. While at Penn State he was a consultant to a seed venture capital firm. He earned a PhD from Indiana University, Bloomington, in political economy in 1980.

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#### Jonathan W. Bein, Ph. D, Z2m4

Jonathan Bein, Ph.D. is a seasoned entrepreneur who leverages his marketing, technical, and sales expertise to build cross-functional teams focused around a clear value proposition. He is known for getting very good things done quickly rather than perfect things slowly. He has successfully led and been part of executive management for software product and services companies in information technology, healthcare, and communications.

Since joining z2m4, he has served as interim-CEO of SkyeTek, Inc. an RFID vendor. During his tenure there, the value of the company quadrupled in seven months, bookings increased 35 times over the previous year, and the customer base doubled. As interim-CEO of Master-Colors, a color graphics company, Bein wrote and implemented a business plan that led to angel financing, a strategic partnership with Adobe, and over 2,000 copies of product sold.

Prior to joining z2m4, Jonathan was CEO and Chairman of IGS Inc. a telecommunications software solutions company. During Jonathan's time at IGS, the company delivered on more than 200 software

projects based around a proprietary methodology he developed for high performance teams. While he was at IGS he defined and executed a market and sales strategy that involved direct sales of products and services to telecommunications service providers including AT&T, SBC, and Verizon as well as a number of CLEC's.

Prior to involvement with IGS, Jonathan combined his technical and business expertise to form Bolder Heuristics Inc. (BHI), a software services and consulting company. As CEO, he focused the company on working primarily with startup ventures in healthcare, telecommunications, and IT. Early successes propelled the company to an Inc. 500 award in 1997 for fastest growing companies.

With the telecommunications reform act of 1996, Jonathan focused BHI on telecommunications. In 1998 he raised venture capital and pursued a rollup acquisition strategy beginning first with IGS, a telecommunications middleware product company. Additional acquisitions resulted in service expertise in telecommunications network management and wireless applications. The company retained the IGS name as a known brand in the communications software market.

In a stint as acting-CIO for Informed Access, a provider of telephone based healthcare-triage, he drove development of the core products and services for the first two years. As a result, IAS became the leading triage software provider and was sold at 100x trailing revenues, to its leading competitor, for close to \$300M.

During graduate school, Jonathan was involved as acting-VP of Engineering Telwatch Inc. He drove the development of a network management product that later became the core technology used to develop the business at Objective Systems Integrators.

Prior to graduate school Jonathan co-developed an intelligent computer-aided instruction product from concept to implementation and he also worked at Martin Marietta applying artificial intelligence techniques to perform automatic real-time fault handling of spacecraft hardware.

He completed his Ph.D. in 1992 in computer science at the University of Colorado with a focus in Data Intensive Expert Systems. He has published articles in the areas of database management, neural networks, information retrieval, expert systems, healthcare informatics, and communications network management. His undergraduate work was completed with honors at Indiana University in 1983 while majoring in Computer Science with minor studies in music and formal linguistics.

Mr. Bein has been twice nominated for E&Y Colorado Entrepreneur of the Year. He is on the advisory board of the Computer Science Department at the University of Colorado.

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#### **Dr. Terrance Boulton, El Pomar Chair of Communication and Computation**

Dr. Boulton is the El Pomar Endowed Chair of Communication and Computation in the College of Engineering at the University of Colorado at Colorado Springs. From 1994 to 2003 he was with Lehigh University, where he founded the Computer Science and Engineering department and held the position of Weissman Chair of Computer Science. He was on the faculty at Columbia University from 1986-1994. From Aug 2002 through Jan 2004, Dr. Boulton was the Chief Technology Officer for Guardian Solutions Inc, helping to commercialize his research in sensor-based security systems, including developing/deploying one of the largest wireless video surveillance systems in the world.

Dr. Boulton's ongoing research projects include advanced biometrics, advanced visual security systems, design and evaluation of imaging sensors for facial recognition, evaluation of weather effects on facial recognition, and algorithms for efficient use of wireless networks. He has received funding from DARPA, ONR, the Army Night Vision Lab, Siemens, the AT&T Foundation, the Lucent Foundation, RemoteReality Inc, McQ Associates, PadCom Inc., Pennsylvania Infrastructure Technology Alliance, and the Ben Franklin Foundation of Pennsylvania. Dr. Boulton received an NSF Presidential Young Investigator award, and has won teaching awards at both Columbia and Lehigh. Dr. Boulton has published over 120 papers and holds 4 patents, with 8 pending. He has served as an associate editor for IEEE Transactions on Pattern Analysis and Machine Perception (IEEE PAMI). He co-organized multiple workshops on visual surveillance and computer vision related topics, and has participated on program committees for more than two dozen IEEE and SPIE conferences and workshops on computer vision and sensor fusion, as well as an ACM program committee in software engineering.

The workshop will be presented by Dr. Terrance Boulton, the El Pomar Chair of Communication and Computation at UCCS. Dr. Boulton has nearly 2 decades of successful grant writing experience, raising tens of millions for his research at Columbia and Lehigh Universities as well as UCCS. Dr. Boulton has been a CTO of a startup high-tech company and consultant to numerous small companies. He has been actively involved in the SBIR and STTR program for years, with an over 50% personal success record. In the past 5 years he has led or played a major role in 10 successful Phase I proposals and 4 successful phase II proposals with 2 Phase II pending. Since joining UCCS and CITTI, he has worked with over half a dozen local companies on (pending) SBIR/STTR proposals.

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#### **Patrick Bultema, Venture Partner, vSpring Capital**

Patrick Bultema is a Venture Partner with vSpring Capital, an early stage venture firm focused on the intermountain west region. In this role, he works with early phase, high-tech companies, both as a venture investor as well as strategic advisor to the businesses. He is currently Executive Chairman of Aeroprise, a vSpring portfolio company. Formerly, Mr. Bultema was CEO of XAware, a venture financed software company in Colorado Springs, as well as CEO for FrontRange Solutions, a global software company based in Colorado Springs. He has served on the boards of over 15 different software companies, and has worked as an investor and advisor with more than 30 additional companies. He has

also worked as an advisor to multiple venture capital firms.

As a recognized industry expert, Mr. Bultema was the founding Executive Editor of Customer Support Management magazine, was Chairman of the largest Customer Relationship Management conferences, and was Chairman and General Manager of the Help Desk Institute, the industry association for the Help Desk and Customer Support industry. In short, Bultema is recognized worldwide as one of the most prominent experts in the business of high-tech start ups, and various segments of the software industry.

Mr. Bultema is married, and has six kids, including two young girls adopted from China. He serves on a number of charitable and not-for-profit boards, including a role as a board member of Chinese Children's Charities and Chinese Children Adoption International, ventures committed to improving the lives of orphans in China.

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#### **Jack Carroll, Founder and Principal of Mentor Associates, Inc.**

Jack Carroll is the founder and principal of Mentor Associates, Inc. He brings more than 25 years of strategic sales planning and management experience to client assignments. The last eighteen of those years have been dedicated to technology and business to business (B2B) selling. He is a dynamic strategist, teacher, and motivator who has directly mentored over 5000 people during his career. Since 1987, under the banner of Mentor Associates, Mr. Carroll and his staff have served more than 65 companies.

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#### **Michael C. Larson, El Pomar Endowed Chair of Engineering and Innovation and is a Professor of Mechanical and Aerospace Engineering**

Michael earned his PhD from MIT in 1992, his M.S. from the University of Michigan and his B.S. from Tulane University. He now holds the El Pomar Endowed Chair of Engineering and Innovation and is a Professor of Mechanical and Aerospace Engineering. With funding totaling more than \$6M from a variety of agencies, including the NSF, the U.S. Air Force, the Missile Defense Agency, and private corporations, Michael has tackled a number of projects related to the fracture and failure of materials and to optical methods, including bolstering the reliability of microelectronic components. His current research focus is on laser/materials interactions, especially related to medical and homeland security applications.

Michael has a passion for creativity and innovation. Before coming to CITT, he co-founded two companies, one based on a medical device he invented and another based on a consumer product, a laser board game called "Khet." In 2005, New Orleans' City Business magazine named him "Entrepreneur of the Year" for founding and directing a studio for creative design. Dr. Larson has conducted numerous workshops on the topics of innovation and creative problem solving. He has garnered six awards for outstanding teaching and conducted a program, with funding from the Lilly Foundation, to increase high school student interest in engineering fields. Dr. Larson has provided engineering consulting and design services for a number of clients, including designing and fabricating a rocket-port measurement device for Lockheed-Martin, and serving as a product design and failure analysis expert in legal cases. He has piloted a jet aircraft, steered a nuclear submarine, and can wiggle his ears. One at a time.

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#### **Clark L. Maxam**

As former Director of Research and Portfolio Manager at New York Life Investment Management and El Pomar Chair of Entrepreneurial Finance at University of Colorado-Colorado Springs, Dr. Maxam combines his 21 years of proprietary fixed income, equity and derivatives trading and asset management experience with a Ph.D. in finance from the Indiana University Kelley School of Business. At New York Life, he led product development in both equities and fixed income and managed or co-managed nearly \$1 billion in assets for their \$6 billion quantitative strategies group. He is a past member of both the Chicago Board of Trade and Chicago Mercantile Exchange and was Senior Vice President of financial futures floor trading and sales for NatWest Futures, Inc. (a division of National Westminster Bank) from 1988-1993.

Most recently he was a founding member of the Bridger Private Capital Group, an angel investor consortium that advised and funded start-up businesses involving innovative products, services and emerging technologies. He runs a small asset management firm and is also an active financial consultant to high net worth individuals, hedge funds and investment management firms.

As both an academic trained in the latest techniques in financial modeling and an experienced trader and portfolio manager, Dr. Maxam brings a unique perspective to the development and implementation of quantitative techniques that always emphasize practicality and the realities of a dynamic marketplace. This has resulted in numerous academic and practitioner publications and eight student selected teaching awards in the last nine years.

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