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Presentation
Line Array Technology Made Plain
Paul Bauman, JBL Professional

date	Tuesday, 28 December 2010
time	7:00 PM
where	PA Plus 160 Bartley Street Toronto, ON
	DIRECTIONS: East of Bermondsey, south of Eglinton Ave E.

LINE ARRAY TECHNOLOGY

While not a new concept, line arrays have become the norm for modern generation sound reinforcement. An overview of line array theory and background will be followed by a technical presentation of the JBL Professional VerTec product line. Transducer technology and modeling software will be discussed and several sound design examples presented to illustrate real world applications. In addition to the presentation, listening tests will be conducted featuring the JBL VerTec VT4886 VT4883 subcompact system, powered by the recently-introduced Crown VRack.

Paul Bauman (MSc Physics, University of Waterloo 1985; MEE, McMaster University 1991) is Director, Tour Sound Product & Application Engineering with JBL Professional and has been with the company since 2006. He is responsible for product conception, design, and technical support for the Tour Sound vertical market segment with specific focus on the VerTec product line.

Prior to this, Bauman was Head of R&D / Director of Technical Support with L-ACOUSTICS and based in France from 1998-2006, Director of R&D with the touring sound company Maryland Sound International (1994-98), Director of Engineering with Adamson Systems Engineering (1991-94), Guest Researcher at Chalmers University of Technology, Sweden (1991-92) and Senior Research Engineer with the Communications Research Lab at McMaster University (1986-91).

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BIOGRAPHY (continued)

Bauman has been active in sound design and system engineering for touring, fixed installations and special events with production credits including: Rock in Rio 2001, Brazil; Dream Concert, Korea; Peter Gabriel Growing Up Tour 2001-2003, Phil Collins First Final Farewell Tour 2004, Bob Dylan Europe 2005. He has also consulted on sound design for Mamma Mia (4 installations), Witches of Eastwick, Turandot Stade de France, Jean Michel Jarre, Nine Inch Nails, David Bowie, Neil Young, Radiohead, Bjork and Madonna, among others. Recently Bauman has been active in sound design, installation and system tuning at a number of showcase JBL VerTec installations in Los Angeles including: Walt Disney Concert Hall, Nokia Theater, Club Nokia, Gibson Amphitheater, Hollywood Palladium, Wiltern Theater and Regal Cinema Stadium 14.

Bauman has written technical papers for JAES, JSV, IEEE and articles for Live Sound, Professional Sound and Pro Sound News. He was Toronto AES Section secretary for 4 years, secretary for the AES "Audio in Digital Times Conference", workshop chairman for "Design and Modeling of Linear Array Sound" (108th AES, Paris) and is a former member of the AES Technical Committee for Acoustics and Sound Reinforcement.

