

Michael Bett

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MANAGING DIRECTOR

Exceptional track record leading business and financial operations for progressively larger organizations. Developed key innovative programs for improving education, meeting recognition, manufacturing efficiency, and military assessment for multinational corporations, the U.S. Government, and a multinational university collaborative center. Twenty years of industry, consulting and academic experience culminated in the position of Managing Director of the Pittsburgh Science of Learning Center, a 200+ person multinational university research collaborative center focused on improving education. Management experience includes: program development and marketing; customer relationship management; government contracting; social media; and research oversight. Educational background includes a BS in Applied Mathematics/Computer Science (Carnegie Mellon) and an MBA (Carnegie Mellon).

AREAS OF EXPERTISE

- Visionary Leadership
- Process Improvement
- Program Development
- Project Management
- Key Partnership Development
- Financial Planning
- Proposal Writing
- Relationship Management
- Strategic Leadership

PROFESSIONAL EXPERIENCE

1997 – PRESENT, Carnegie Mellon University, Pittsburgh, Pennsylvania. A private, global research university with 13,650 students from 114 countries created by the union of Carnegie Tech and the Mellon Institute of Science in 1965. Past and present faculty and alumni include 19 Nobel Prize Laureates, 19 Members of the American Academy of Arts & Sciences, 72 Members of the National Academies, and 12 Turing Award winners.

2004-PRESENT, Managing Director, Pittsburgh Science of Learning Center, a 200+ person multinational university and industry research collaborative center with a budget of \$10M-\$12M/year including leveraged funds. Directed and established organizational structure, funding process, metrics, and analytics. Annually managed 30 to 40 project teams enhancing operations through fostering collaborations. Conducted monthly progress evaluations with respect to project teams' milestones and budgets. *Accomplishments Include:*

- Recaptured 10% to 20% of program costs annually dramatically increasing center effectiveness by adjusting project budgets according to spend rates.
- Developed corporate partners program leading to the adoption of our research methodology by EY (Ernst and Young), Pearson, Kaplan, and Carnegie Learning improving learning outcomes for millions of students.
- Developed summer internship program, diversity workshop, and learning science workshop annually educating 100+ researchers from industry and academia.
- Designed market and administer *Masters of Educational Technology and Applied Learning Science (METALS)* program with an average of 10-15 students/year. Achieved 100% student placement the first two years.
- Created the center's social media strategy resulting in organic growth to 1,800 followers.
- Center structure led to over 2050 publications and 600 research studies in 10 years at a 1/10 of the cost of similar research.
- Solicited, negotiated and approved subcontracts and agreements in excess of \$2M per year.
- Created and edited strategic plan, annual report, proposals, and presentations.

1997 – 2004, **Manager (Project Scientist)**, Computer Science Department. Directed staff of 30 managing personnel, resource allocation, and financial operations. Planned and budgeted projects; monitored project execution assigning and reviewing tasks for teams of 2 to 5 individuals. Prepared and delivered quarterly and annual reports, presentations and demonstrations. *Accomplishments Include:*

- Designed and led implementation of a meeting room that autonomously creates meeting records including audio, video, and transcripts.
- Wrote three proposals securing over \$12M in funding.

1989 –1997, **Carnegie Group**, Pittsburgh, Pennsylvania, a management consulting and software solutions development firm specializing in the development of knowledge based expert systems employing object oriented technologies.

1994 – 1997, **Project Manager**. Managed teams of 4 to 7 engineers developing commercial and DoD projects including TRAC²ES, a medical evacuation, planning and monitoring system; TIPSTER, an automatic document summarization tool; and CADET, a planning, wargaming, analysis and decision support system. Mentored junior team members providing technical leadership and direction for the design, implementation, and deployment of object oriented and knowledge-based systems using Java, C and C++.

Accomplishments Include:

- Planned and managed annual budgets in excess of \$2M.
- Wrote and reviewed proposals securing over \$10M in funding.

1989 – 1994, **Senior Engineer**. Designed and implemented an integrated manufacturability design rule checker for printed circuit boards. *Accomplishments Include:*

- Eliminated the need for prototyping saving Ford Motor Company in excess of \$10M/year.
- Analyzed hybrid-manufacturing process at Ford Motor Company resulting in manufacturing cost reductions of 10% through improved communications and refined design rules.

1986 – 1989, **Trimeter Technologies**, Pittsburgh, Pennsylvania. Startup company that created the first commercially available logic synthesis tool. Software Engineer.

PUBLICATIONS

- Bett, M., Gross, R., Yu, H., Zhu, X., Pan, Y., Yang, J., & Waibel, A. (2000). Multimodal Meeting Tracker. In *RIAO* (pp. 32-45).
- Gross, R., Bett, M., Yu, H., Zhu, X., Pan, Y., Yang, J., & Waibel, A. (2000). *Towards a multimodal meeting record*. In *Multimedia and Expo, 2000. ICME 2000. 2000 IEEE International Conference on* (Vol. 3, pp. 1593-1596). IEEE.
- Schultz, T., Waibel, A., Bett, M., Metze, F., Pan, Y., Ries, K., Schaaf, T., Soltau, H., Westphal, M., Yu, H. and Zechner, K., (2001). *The ISL meeting room system*. In *Proceedings of the workshop on hands-free speech communication (2001)*, Kyoto Japan.
- Waibel, A., Bett, M., Finke, M., & Stiefelhagen, R. (1998). Meeting browser: Tracking And Summarizing Meetings. *Proceedings of the DARPA Broadcast News Workshop* (pp. 281-286).
- Waibel, A., Bett, M., Metze, F., Ries, K., Schaaf, T., Schultz, T., Soltau, H., Yu, H., & Zechner, K. (2001). Advances in Automatic Meeting Record Creation and Access. In *Acoustics, Speech, and Signal Processing, 2001. Proceedings.(ICASSP'01). 2001 IEEE International Conference on* (Vol. 1, pp. 597-600). IEEE.

- Waibel, A., Schultz, T., **Bett, M.**, Denecke, M., Malkin, R., Rogina, I., Stiefelhagen, R., & Yang, J. (2003). SMaRT: The Smart Meeting Room Task at ISL. In *Acoustics, Speech, and Signal Processing, 2003. Proceedings.(ICASSP'03). 2003 IEEE International Conference on* (Vol. 4, pp. IV-752). IEEE.
- Waibel, A., Yu, H., Westphal, M., Soltau, H., Schultz, T., Schaaf, T., Pan, Y., Metze, F., & **Bett, M.** (2001). Advances in Meeting Recognition. In *Proceedings of the First International Conference on Human Language Technology Research* (pp. 1-3). Association for Computational Linguistics.

EDUCATION

Master of Business Administration (**MBA**), Tepper School of Business, Carnegie Mellon University, 2000.

Bachelor of Science in **Applied Mathematics/Computer Science**, Carnegie Mellon University, 1985.

COMMUNITY ACTIVITIES

2014 – PRESENT Allegheny County Clean Air Now (ACCAN) Co-Founder Addressing environmental justice and improving public health through a reduction in pollution in southwestern Pennsylvania.

2011 – 2016 Ben Avon Borough Council Member supporting public safety, strong air quality standards in Allegheny County and responsible land stewardship.