

Carmine M. Bailey, Ph.D.

Career Summary:

Experienced program manager with 25+ years of Mission Services and Information Systems Management experience and extensive knowledge of mission integration and operations obtained from positions supporting the ISS Payload Community. Professional, flexible, innovative, and service-oriented. Offering a unique combination of creativity and analytical skill with the ability to assess both vantage points to create cost-effective solutions for internal and external clients.

Key Skills and Strengths:

- Leadership – Adept at leading/managing cross-functional programs.
- Capable of leading high performing teams under tough deadlines, to meet customer expectations.
- Strong communication skills (verbal and written).
- Problem solver – Creativity and forethought in solving complex project issues.
- Service orientation – “People person” and a team player.
- Innovative solutions to reduce program risk using commercial information management systems

Education:

Ph.D., Mathematics, Lehigh University, Bethlehem, PA, June 1986.

Master of Science, Mathematics, University of Dayton, Dayton, OH, April 1982.

Bachelor of Arts, Mathematics, Rutgers University, New Brunswick, NJ, May 1980.

Professional Experience:

Bailey Consulting Services, LLC, Huntsville, AL, from April 2016 - Present: President/CEO

Key Initiatives and Achievements

- Formed in April 2016. Since its inception, BCS has grown its client base steadily supporting Business Development (BD) and capture efforts for its clients. Dr. Bailey utilizes an ever-growing network of Subject Matter Experts to help BCS clients achieve their BD objectives.
- Core competencies of BCS are built around Management Consulting, Engineering & technical and Commercial Infusion Services.
- Company strategy is to leverage high quality and highly knowledgeable subject matter experts in combination with high performing and highly motivated college students to meet the needs of our customers at a competitive price.
- Staffing growth from 1 employee to 14 in 24 months.

University of Alabama in Huntsville, Huntsville, AL, from August 1990- Present: Adjunct Professor, Mathematics Department

Key Initiatives and Achievements

- Over 30 years of teaching part time in the department of mathematics
- Courses taught include calculus series, ordinary & partial differential equations, linear algebra, probability, mathematical modeling and 2 graduate level special topics courses
- Served on two doctoral panels for the college of engineering

Professional Experience:

Addx Corporation, Huntsville, AL, from May 2014 - Present: Director, Huntsville Operations

Key Initiatives and Achievements

- Responsible for the development of the Mission Suitability Volume for the MITS proposal effort
- Responsible for creating the Addx Independent Verification & Validation Plan to document the processes used on other IT and Engineering procurement pursuits.

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- Capture Manager for NSF procurement opportunities at Addx. Strategically aligned the company with a consortium of universities to provide NSF with a longer span of resources to support their research recommendations each fiscal year.
- Actively working Business Development pursuits around NASA opportunities at all NASA centers. Specifically working GSFC & MSFC S&MA opportunities and MSFC HOSC.

Professional Experience:

Teledyne Brown Engineering, Huntsville, AL, from January 2006 - April 2014: Program Manager, Mission Integration & Operations (MO&I) Contract and Systems Development & Operations Support Contract (SDOS) TO-24. NASA - Marshall Space Flight Center.

Key Initiatives and Achievements

- Managed 180+ person Mission Services Contract supporting Science payloads on-board the International Space Station and other IDIQ Mission Operations task orders
- Managed 7 small business subcontractors and brought a diverse set of talent to support the ISS program
- Collaborated with management teams to deliver assigned programs – Developed group and individual timelines, assessed/identified technical, cost and schedule risk.
- Capture Manager for Mission Operation Integration procurement at NASA MSFC. Developed management & technical strategy, wrote management section of the proposal.
- Bid as the program manager for MOI and received a significant strength in the proposal evaluation.
- BD Manager for the GSFC GSMO procurement. Successfully established a teaming agreement with HTSI (prime) and contributed to the win of this procurement.
- Task Order Manager for the SDOS Payload operations integration (TO24) which was the largest task order under the SDOS contract. Managed a team of 170 people performing mission services for the ISS program.
- Consistently received award fee scores of 99-100 from 2006-2013 on SDOS
- Received NASA Outstanding Leadership Award (2012)

The Boeing Company, Huntsville, AL October 2002 - January 2006: Deputy Program Manager, International Space Station (ISS) Payload Integration Contract (IPIC).

Key Initiatives and Achievements

- Managed 275+ person Payload Engineering, Integration & Operations Contract supporting Science payloads on-board the International Space Station in Huntsville, AL and 70 people in Houston TX.
- Developed group and team timelines, assessed/identified technical, cost and schedule risk.
- Defined the resources required for completion of a project and allocated resources accordingly.
- Developed plans and processes ensuring compatibility with flight and ground systems across the ISS.
- Received the NASA Public Service Award
- Received a Certificate of Achievement Award from the Center Director at NASA's Johnson Space Center

The Boeing Company, Huntsville, AL August 1999 to September 2002: Project Manager, Payload Operations & Integration (PO&I).

Key Initiatives and Achievements

- Assessed/identified technical, cost and schedule risk.
- Defined the resources required for completion of a project and allocated resources accordingly.
- Developed plans and processes ensuring compatibility with flight and ground systems across the ISS.
- Hands-on knowledge, and experience in anomaly investigations, root cause and corrective action processes.

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- Led the on-orbit anomaly investigation team for the EXPRESS rack system failures during increment 2
- Received the NASA Outstanding Achievement Award

The Boeing Company, Huntsville, AL August 1997 to July 1999

- Systems Engineering Functional Manager, ISS Pressurized Elements Work Package.

University of Alabama in Huntsville, Huntsville, AL August 1990 to July 2008, August 2015-Present

- Adjunct Professor in the Department of Mathematics. Taught one course per semester. Courses taught included undergraduate and graduate courses in differential equations, linear algebra, probability and optimal control theory.

McDonnell Douglas Aerospace, Huntsville, AL,

- March 1996 to July 1997: Senior Manager, Information Systems and Communications Department.
- July 1994 to March 1996: Staff Manager, Utilization and Mission Support.
- January 1992 to July 1994: Manager, Simulation Systems Development.
- April 1990 to December 1991: Manager, Guidance, Navigation & Control Systems.

System Dynamics International, Inc., Huntsville, AL

- October 1987 to March 1990: Senior Systems Engineer, Flight Simulation and training group

Teledyne Brown Engineering, Huntsville, AL

- May 1986 to October 1987: - Systems Analyst, Strategic Defense Initiative

References:

Personal and professional references furnished upon request.