

Summary Fact Sheet

Mark J. Blackman, PhD

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Mark J. Blackman, PhD, received his degree from Purdue University in Chemistry. His doctoral research was in Computational and Theoretical Physical Chemistry. However, he also has extensive and diverse experience in the fields of analytical, chemical and medical instrumentation. His most recent areas of interest include NMR (MRI); separation science and concrete technology including surface preparation, coloring and coatings. He has participated in the development and support of new technologies, training methods and advanced applications of existing ones. He offers this expertise to clients who require design, service and training support for most electronic and electro-mechanical equipment used in scientific research and production operations, technical or general presentations and seminars. He also has extensive security and law enforcement experience, both practical and as a trainer, and provides clients with insight into personal, corporate or industrial matters and practices. He has recently been speaking to, and working with, local Chambers of Commerce, as well as other civic and community groups, to promote careers in science. He has also organized, developed and presented technical, business oriented, entrepreneurial and motivational training sessions and seminars.

ACADEMIC ACHIEVEMENTS:

Doctor of Philosophy in Chemistry, Purdue University, Major: Physical Chemistry.
Bachelor of Science, Brooklyn College, Major: Chemistry.

PROFESSIONAL AFFILIATIONS:

American Chemical Society, American Physical Society, Institute of Electrical and Electronic Engineers, Association of Consulting Chemists & Chemical Engineers (Certificate 931), Chemical Consultants Network, The CECON Group, The Training Consortium and The International Speakers Network.

CONSULTING BACKGROUND:

MARK J. BLACKMAN, INC
PRESIDENT AND C.E.O.

Dr. Blackman is the founder and President of Mark J. Blackman, Incorporated, a chemical consulting firm specializing in solutions for measurement challenges in industry and the laboratory as well as relevant general business support and training program design to clients.

SPEAKING AND TRAINING EXPERIENCE:

Speaks to local civic organizations to promote careers in science; instructed graduate, undergraduate and secondary courses in Chemistry; trained scientists, technicians, technologists and managers for business and industry; supported and aided in development of law enforcement training programs; presented technical programs for sales support and spoken for political purposes and acted as a surrogate speaker for political candidates.

SELECTED ACCOMPLISHMENTS :

Recognized for business development, system selection and optimization for processes, expanding technical knowledge of products and applications, course design or presentations and promotion of career choices in science.

CAREER SUMMARY:

MARK J. BLACKMAN, INC. (2003-Present)
Oswego, Illinois 60187

PRESIDENT AND C.E.O.

Found, direct and operate a successful Chemical Consulting business.

SELECTED ACCOMPLISHMENTS

Business Development

Product Selection and Optimization for Application

Expanding Technical Knowledge of Products and Applications

Course Development and Presentation to Client's Staff.

Consulting Support to Solve Critical Problems.

Promoting Chemical Security Awareness and Careers in Science

Motivational and Technical Speaking Presentations.

PHILIPS MEDICAL SYSTEMS (1987-2002)
Itasca, Illinois 60137

SENIOR SYSTEMS SPECIALIST

Responsible for maintaining at peak performance and maximizing customer return from a highly successful product as a technical representative for one of the most complex modalities in medical imaging. His performance is recognized for an extremely high level of success in resolving problems and enhancing profitability for users with a multi-million dollar investment and cash flow. This success significantly contributed to tens of millions of dollars of new and repeat

business for his employer.

SELECTED ACCOMPLISHMENTS

Research Support
Product design and development
Troubleshooting
Technical Knowledge
Developing Teamwork in Problem Solving
Field Training, Support and Formal Instruction

Developed protocols and techniques that maximized effective customer utilization and financial return from a \$500 million installed base of MRI equipment worldwide. Characterized the problem of unanticipated system loads affecting the acceptance of a newly introduced product with anticipated sales over \$250 million. Worked with software engineers to develop a permanent solution. Maintain a virtually perfect record of solving time and cost critical technical problems, preserving and generating repeat revenue in the tens of millions of dollars. Recognized internationally as an expert in my field, never failing to place at or near the top in ratings for technical knowledge and abilities. Recognized as willing to share critical information by peers, supervisors and customers. Willing to provide immediate telephone or on site technical support to colleagues and customers worldwide. Invited regularly as a guest instructor at the world-wide training institute. Developed and implemented cost effective field training programs when structured training was not practical.

ILLINOIS INSTITUTE OF TECHNOLOGY (1984-1987)

DEPARTMENT OF CHEMISTRY

Chicago, Illinois 60616

CHEMICAL INSTRUMENTATION SPECIALIST

Design and maintenance of a variety of analog and digital instruments and real world interfaces to provide research and teaching support. Instructed Analytical and Physical Chemistry Courses.

Technical Addendum

This Technical Addendum contains supplementary information to the Career Summary Section. More detailed and specific information may be available on request or obtained at www.MarkJBlackman-Inc.com.

MARK J. BLACKMAN, INC., Oswego IL, April 2003 – Present

CONSULTING CHEMIST and CEO – Although restricted in disclosure by confidentiality agreements, generally, a significant number of projects in laboratory, instrumentation and process design and application in the areas of separation science and applications of major capital analytical instruments

including NMR and Optical or Mass Spectrometry. Other major project involvement includes data acquisition, manipulation and transport and support for instrument design and repair. Extensive Visual Basic, Visual C, Java, HTML and database design and programming.

PHILIPS MEDICAL SYSTEMS, NORTH AMERICA, Shelton CT, October 1987 - May 2002

MRI SENIOR SYSTEM SPECIALIST - Service representative and responsibility for special technical projects such as pilot software testing, a joint ACS-NT MOBILE MRI project and the development and implementation of the COOPERATIVE MULTI VENDOR TRAINING AND SUPPORT PROGRAM FOR MRI. Primary support responsibility included all Philips MRI products as well as systems of other manufacture. Technical expertise and support to other service engineers, at a world wide level for clinical and spectroscopic applications with supplementary customer and engineer support in MRI physics and chemistry., Responsible for training, support and technical leadership for multi-vendor service program in MRI. Designed and perfected field service oriented courses for the Philips GYROVIEW family of products and a video program to acquaint trained Philips MRI service personnel to the G. E. Signa 4X and 5X systems. As a SENIOR SYSTEM SPECIALIST, provides leadership, coordination and technical assistance to engineers and management and coordinates all second and third shift MRI service activities.

SKILLS incorporate a diverse background in chemistry; physics; vacuum tube and solid state r. f., analog and digital electronics, computer science and a good understanding of anatomy, physiology, pathology, MRI imaging techniques and quality assurance combined with practical experience in technical and administrative problem solving.

SPECIFIC HARDWARE familiarity includes the Philips S, T and NT, the General Electric Signa 4X and 5X series and the Siemens SP 63, SP42 and Impact MRI systems; DEC VAX 730, 750, 3400, 4000, MicroVAX II, ALPHA SERVER and ALPHA STATION series computers and diagnostic software. The Philips Gyroview and EasyVision workstations, supporting SUN 3, SUN 4, IPX and Sun 5 computing engines and ISG graphics accelerator including diagnostics and background in network installation and support for VMS and Unix-based systems. The 3M and Kodak laser, and Matrix video, families of cameras and Oxford and IGC superconducting magnet systems. IBM PC/XT, PC/AT and high performance 386, 486 and Pentium-based systems as standalone and networked workstations and service support tools from an operational, technical support and development standpoint.

SPECIFIC SOFTWARE background includes extensive familiarity with MRI application and diagnostic software, both philosophically and operationally, VMS, Unix and OS9 Operating Systems and related diagnostics and network layers such as DECNET and TCP/IP, the theory and practical application of high performance graphics software, MS(PC) DOS, Windows, IBM OS2, Programming languages such as FORTRAN, C++ and Microsoft Visual Basic. Popular applications programs such as Novell Netware 4.01, WordPerfect, Microsoft Office, dBase, Microsoft Fox Pro and Visual Basic, Quattro Pro, Lotus

1-2-3, many graphics utilities and CADD programs, and work-alikes for the more popular applications.

ILLINOIS INSTITUTE OF TECHNOLOGY, DEPARTMENT OF CHEMISTRY,
Chicago, Illinois, June 1984 - October 1987

CHEMICAL INSTRUMENTATION SPECIALIST - Design and maintenance of a variety of analog and digital instruments and real world interfaces to provide research and teaching support.

SKILLS were a firm knowledge of analog and digital electronics, chemistry, physics, mathematics and computer science.

SPECIFIC SYSTEMS were a diverse group of chemical instruments including a Nicolet (GE) 300mhz research NMR and Varian CFT-20 and T-60 routine NMR systems.