

IEEE Pittsburgh Section Consultants Directory

If you are an IEEE member in the Pittsburgh Section working as a consultant or contractor and would like to be added to the IEEE Consultant Directory, please email your information telephone number(s), address, e-mail, FAX, and a brief (fifty words or less) description of your specialty to gwc2gwc2@gmail.com

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Advanced Actuators 19 Commons Drive Bradfordwoods, PA 15015 Phone: (724) 935-3702 Fax: (724) 935-9352 Email: anticole@telerama.com

Specialty: Servo Motors, Drives and Feedback Controls: Design, Teaching, Troubleshooting; Power Electronics design and manufacturing; Embedded Micro controllers with assembly language programming and Visual Basic interface design.

HANK BURTON

Literati Information Technology, LLC (<http://www.literati.com>)
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Literati Information Technology provides computer consulting services including computer systems management; network design, implementation, and management; Internet/Intranet services; and application and database programming services.

YANG CAI, Ph. D.
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Scientist at Carnegie Mellon Research Institute. Specialty includes system modeling and system optimization. Interested in consultant work in the Pittsburgh area.

Donald M Colaberardino, PE 123 Matthews Drive Beaver, PA 15009

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Specialty: Over 25 years experience in the design of power distribution and control systems for various industrial and commercial applications. Job functions include: electrical power coordination and fault study; AC and DC Drive design; programmable controller programming and MMI programming; interaction with IEEE, NEMA, NFPA, UL/CSA and KEMA agencies; and responding to various application issues with low voltage distribution equipment.

KEITH R. COOPER Principal Engineer C-M-B Engineering Services PO Box 584

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C-M-B Engineering Services specializes in performing industrial electrical power system studies, which include short circuit, protective device coordination, load flow, voltage regulation, and harmonic. C-M-B recommends the means to obtain the most reliable, efficient power system with the most cost-effective equipment. Our personnel have 27 years of experience.

WILS L. COOLEY, Ph.D., P.E.
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Consulting services related to grounding of power and communication systems. Establishing low resistance and low reactance connections to earth. Shock hazards due to earth currents and lightning.

George W. Crawford Ph.D., P.E. 317 Church Lane Sewickley, PA 15143-1013

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Consulting services related to large scale computing, simulation, CAD, CAM, CAE, and business development.

JOHN LOUIS DANIHEL, Jr.

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Signal processing extending from the propagation channel, antenna aperture, RF, IF to baseband processing. Identify and formulate problem from analysis phase to hardware implementation. Analog Devices mixed-signal and 21xx/21xxx DSP. Motorola 680x0 microprocessors. Emphasize the time, frequency and spatial decomposition of complex modulations with extraction of information in the waveform.

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Specialty: Decision analysis, risk analysis, decision making under uncertainty in business, industry, and medicine. Decision support systems.

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Pioneer Microsystems, Inc. designs electronic products, and writes embedded software. In 22 years of consulting, I have designed products for Nuclear, Military, Aerospace, Commercial, and Medical. Most projects are full turnkey. Expertise ranges from embedded systems to power supply design, circuit development, software creation, motor control, wired/wireless communications, IoT projects, and circuit board design. 8/16/32/dsp/arm/linux, the sky is the limit.

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Consulting in real time SCADA and Telemetry Systems for: Rail Electrification, Electric Utilities, Water Utilities, and Mining.

JACK R. FEDOR

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Alion - JJMA specializes in design, engineering and project management support from concept through production or construction. Primary clients include the Department of Defense, naval and commercial marine engineering, and industrial and power industries. Utilize software such as EASYPOWER, SKM Power Tools, EDSA, SIMPLORER and AutoCad 2006 Electrical in the design, M&S, application, and troubleshooting of electrical systems and components.

Experience in power generation (generator sets, governors, protective relaying), power distribution (load analysis, fault analysis, arc fault studies, breaker coordination studies, motor starting studies) power quality (wiring and grounding, harmonic analysis, continuity studies). Expertise in alternate energy systems

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TIM GRAETTINGER

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Discovery Corps provides intelligent, decision-support software to our manufacturing and process control clients. We deliver solutions for virtual sensing, sensor fault detection, vendor/supplier analysis, and predictive modeling and control. To ensure our clients' success, we offer complete support from project management to system integration and training.

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Expert in marketing technical products and services. Accomplished in the introduction of innovative products and new technologies. Experienced in structuring product/technology launch, including innovation pricing, cost-optimized promotion, distribution channel design, and innovation trial marketing. Also, perform innovation competitive assessments and market timing studies. Familiar with start-up culture and requirements.

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DK Technologies, Inc. specializes in the design of hardware and software for industrial and medical applications. This service includes circuit design and layout, embedded microprocessor software development, and new product design. Our clients are typically small manufacturers who lack the in-house expertise to develop new products or modify existing products. We can provide the resources necessary from the concept phase to production.

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Antenna design and analysis. Special emphasis on phased array and novel radiating element design. Experience with broadband antennas and high Q antennas in the UHF thru X-band frequencies; Computer modeling of array performance, radiating element performance and electromagnetic phenomenology using Finite, Difference Time Domain (FDTD), custom Matlab simulations, and Method of Moments; Radar systems analysis; Communications systems analysis;

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LLI Technologies headquartered in Pittsburgh, PA, is a consulting engineering and construction company that has provided professional services since 1910. LLI specializes in planning, design and construction services for projects with advanced communications and critical system infrastructure requirements. As systems integration engineers, LLI bridges advanced building technology into today's business and academic environments.

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Specialty: Communications, Electrical Power Distribution, Electrical Power Generation, Electrical Power Systems, Electrical Power, Transformers, Switchgear and Controls, Failure Analysis, Motors, Test Equipment/Systems, Simulation and Modeling

Work in Low Voltage Testing, High Voltage Testing, High Power Testing, Electrical Machinery, Grounding. Over 20 years experience in the development, design and construction of electrical machinery, covering electro-magnetics, electro-statics, thermal and ventilation disciplines. From conceptual design to detailed analysis, site inspection, repair supervision and failure analysis. Familiar with IEEE collections C37, C57,

C62 and other related standards, and the design and operation of high power/ high voltage test and certification laboratories.

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Electrical Engineering teacher since 1986 (includes electrical and mechanical professional review courses - a total of 42 courses listed on website).

See my website: <http://www.The-PE-Electrical-Professor.com>

Perform on-site electrical system and equipment troubleshooting; Identify? system grounding problems and wiring errors; Review existing power circuit designs and recommend improvements; Verify?- compliance with the National Electrical Code (latest edition); Provide feasible equipment recommendations to improve power quality; Power factor studies; Perform harmonic analysis; Arc Flash, short circuit and coordination studies

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Augusta's expertise includes: systems and requirements analysis; database design, normalization and query; distributed processing environments; software measurement; structured and object-oriented programming languages; business and scientific programming languages and techniques; technical writing; online help systems.

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MAJR Products Corporation www.mair.com is an internationally recognized manufacturer of EMI/RFI Shielding Products. We serve the electronics industry, specifically, telecommunications, aerospace, computers, medical devices, instrumentation, commercial electronics, government, and military. Mike Oliver has over 15 yrs. experience in EMC shielding product application, design, and testing to meet MIL-DTL-83528 and others.

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Technical expertise includes passivation and protection of semiconductor devices and circuits, semiconductor device and circuit reliability, device and material radiation hardness, novel high frequency devices, semiconductor-based chemical sensors, and solar cells. Work experience and qualifications include preparing technical and cost proposals, technical program marketing, developing reliability test procedures, and technician training. Consulted on device selection for enhanced reliability of multichip hybrid circuits in Space Shuttle and satellite applications.

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EMI/EMC Consultant, specializing in compliance with FCC, EU and MIL-STD EMI/EMC regulations through design, test and analysis. Troubleshooting of compliance test failures. Investigation of operational EMI problems. EMI awareness training.

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