

## **Brief Professional Biography – Martin Joseph Dudziak, PhD – Principal @ IMTOPS**

Dr. Dudziak is an accomplished management and technology specialist, investigator and problem-solver. He is unique in having the foundations, experience and personal skill sets within both theoretical and applied areas of research and in their application to both common and uncommon problems faced by today's companies, institutions and agencies. He is also an experienced manager and executive with a background in multinational technology, financial and medical institutions. His work and service includes engagement with emerging ventures and incubator-accelerator partnerships, as well as non-profit and non-governmental consortium programs.

Within the scientific domains, Martin has principally concentrated his research focus upon mathematical and computational problems that apply within fundamental and theoretical physics, biomedicine, and the computational and information sciences, with particular emphasis upon issues pertaining to cryptography, cryptanalysis, and cybersecurity. Within this sector his main activity has been in the establishment of effective, robust and fail-safe measures for an organization to secure its vital information and make full use of such information through distributed, multi-point access, cloud-based and fault-tolerant systems.

Martin began his career within government agencies and private companies serving the public interest, focusing upon artificial intelligence, machine learning and data mining. He has worked for Battelle Laboratories, Martin-Marietta, (Lockheed-Martin), Virginia Commonwealth University, Medical Center of Virginia, and several other academic and research institutions in the USA, EU and Russia, ST Microelectronics, and Intel Corporation. In addition he has worked within smaller private companies for which he was engaged in both management and also R&D. Among these are Silicon Dominion, Modis, TetraDyn, EpiXaT and The Tetrad Group.

Presently Dr. Dudziak is based within the USA, with active affiliations and engagements in Europe, Russia and Asia.

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