

**SORIN MARCOVICI**  
1 Todd Road  
Lexington, MA 02420-2116  
Phone: 781-862-1043  
Cell: 508-523-1751  
E-mail: sorinmarcovici1@gmail.com

**SXN INTERNATIONAL LLC**

2018 - **President and CEO**

Provided consultancy services for all aspects of business development and products engineering to technology driven companies world-wide.

**XLV DIAGNOSTICS INC.**

2014 - 2018 **President and CEO**

Provided business direction, market positioning and operational leadership to a medical imaging start-up; led teams of engineers and physicists to develop from concept to product the first X-ray Light Valve based, low cost, digital mammography machine.

**SXN INTERNATIONAL LLC**

2012 - 2014 **President and CEO**

Provided consultancy services for all aspects of business development, technologies, and products engineering to medical imaging companies world-wide.

**ANALOGIC CORPORATION**

2008 – 2011 **Vice President and Chief Technology Officer**

Advised the CEO and the Board of Directors on technology driven business opportunities synergistic with corporate strategic plan; provided leadership, technology and business guidance for major, corporate programs; formulated strategy for advanced development; developed scientific collaborations with premier technical universities world-wide.

2006 – 2008 **Corporate Senior Technical Vice President**

Assumed responsibility for the technology direction of the company and identified the emerging technologies conducive to innovative, organic growth as well as strategically synergistic acquisitions; led advanced product development engineering.

**ANRAD CORPORATION**, Montreal, a wholly owned subsidiary of Analogic

2000 – 2005 **President**

Provided strategic direction and led the transformation of a research based start-up operation into a vibrant, high-tech, development and manufacturing company; organized from the ground up all departments and operational infrastructure while training and leading an inexperienced, multi-disciplinary team of professionals to achieve challenging business objectives; assumed profit and loss responsibility, developed and successfully executed ambitious business plans.

## **ANALOGIC CORPORATION**

1993 – 1999 **Corporate Technical Vice President**

Developed several multi-million dollar business opportunities to commercialize series of innovative instrumentation systems for medical and industrial applications; evaluated companies for potential acquisition and/or cooperation; led major engineering projects.

1989 – 1993 **Vice President and Division Manager**

Assumed profit and loss responsibility for the Measurement and Control Division; refocused sales activity on major accounts and reorganized engineering activities; led the product development of high performance industrial control and monitoring systems.

1987 – 1989 **Vice President Special Projects**

Reorganized the value-added engineering process of the data acquisition business, re-directed the product planning and developed business opportunities.

1983 – 1987 **Division Manager**

Assumed profit and loss responsibility for the Computing Systems Division; reorganized operations, engineering, sales and marketing, implemented financial discipline and streamlined product development; negotiated major, long term contracts and returned the division to profitability; promoted to Vice President in 1986.

1981 – 1983 **Senior Project Engineer**

1978 – 1980 **Project Engineer**

1976 – 1978 **Engineer**



## LIST OF PATENTS

- |   |                 |
|---|-----------------|
| 1. Multichannel Predictive Gain Amplifier System  | US 4,739,307    |
| 2. Coplanar X-Ray Photodiode Assemblies   | US 5,587,611    |
| 3. Variable-Response X-Ray Detection Assemblies<br>And Method of Using Same               | US 5,796,153    |
| 4. Integrated Radiation Detecting and Collimating<br>Assembly for X-Ray Tomography System | US 5,991,357    |
| 5. Area Detector Array for Computer Tomography<br>Scanning System                         | US 6,091,795    |
| 6. Two-Dimensional X-Ray Detector Array for CT<br>Applications                            | US 6,292,529 B1 |
| 7. Method of and Apparatus for Continuous Wave<br>Tomosynthesis Using Photon Counting     | US 8,477,901 B2 |
| 8. Item Dispenser and Tracker   | US 8,502,671 B2 |
| 9. Flat Panel Detector Incorporating Silk Layer(s)  | US 8,624,197 B2 |
| 10. Cleaning Apparatus and / or Cleaning Techniques<br>for Use with a Radiation System    | US 8,613,546 B2 |
| 11. Overlapping Detector Elements of a Detector Array<br>for a Radiation System           | US 8,629,408 B2 |
| 12. CT Scanning Systems and Methods Using Multi-Pixel<br>X-Ray Sources                    | US 8,995,610 B2 |
| 13. Multi-Modality Image Acquisition  | US 9,730,659 B2 |

## **INNOVATIVE DEVELOPED PRODUCTS FIRST IN THEIR CLASS**

1. First true 18 bit, 500 kHz analog-to-digital converter
2. First ultra-high speed electronics for cardiac CT scanners
3. First modular, high accuracy, data measurement system for particles accelerators' real-time beam's convergence control
4. First compact, autonomous control system for Aluminum smelting
5. First distributed front-end electronics for multi-slice CT scanners
6. First integrated multi-element detector – antiscatter subsystem for CT scanners
7. First 30 fps, large area, Selenium detector for real-time fluoroscopy
8. First Selenium detector for wide angle tomosynthesis mammography
9. First phased-array ultrasound platform based on GPU's architecture
10. First electro-optic, Selenium detector for low-cost digital mammography

## **SELECTED PAPERS**

1. "X-ray Medical Imaging: Present and Future", Sorin Marcovici, Emerging Technologies, 2016, Montreal, QC
2. "Affordable Medical Imaging for the Developing world: a Global Vision", Sorin Marcovici, Vlad Sukhovatkin, Oscar Cisek, IUPESM2015, 2015, Toronto, ON
3. "Towards Low Cost X-ray Imaging Devices Using a-Se", Sorin Marcovici, ICANS 25, 2013, Toronto, ON
4. "Amorphous Selenium Based X-ray Detectors", Sorin Marcovici, Sicon'01, 2001, Rosemount, IL
5. "Cadmium Tungstate Detector for Computed Tomography", R. Deych, J. Dobbs, S. Marcovici, B. Tuval, SCINT95, 1996, Delft University Press, The Netherlands
6. "A signal Processing Data Acquisition System (SPDAS)", Sorin Marcovici, EURASIP 1988, Grenoble, France – Elsevier Science Publishers B. V.
7. "E/A-Transfers uber den VMEbus Minimiert", Sorin Marcovici, VMEbus Magazin, 1989
8. A Multichannel, 500 kHz, 16-Bit Accuracy Data Acquisition System on a Single VME/VXI Board, Sorin Marcovici, ISA 1989
9. "Characterization and Testing of Analog-to-Digital Converters for Signal Processing Applications", Sorin Marcovici, Electro88, 1988, Boston, MA