BIOGRAPHICAL SKETCH

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NAME: Migliuolo, Michele

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE: Entrepreneurship Professor

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	Completion Date MM/YYYY	FIELD OF STUDY
University of Rome, Italy	Doctorate	1982	Physics
University of Rochester, Rochester NY	M.A.	1984	Physics
University of Rochester, Rochester NY	Ph.D.	1988	Physics

A. Personal Statement

I have a documented track record of leading development of best-in-class playbooks for use and adoption throughout ecosystems globally. I have profound passion for supporting early-stage technology startups with deep experience in the startup ecosystem. I hold proven success building a strategic vision and roadmap to develop programs that drive through-partner success and the ability to assess market and product potentials as well as conduct intellectual property reviews and business due diligence. I am expert at overseeing commercialization of technologies via acquisition of early adopters and customers and am adept at simultaneously managing multiple high-priority projects according to strict deadlines.

B. Positions, Scientific Appointments, and Honor

2022-present ENTREPRENEURSHIP PROFESSOR, NOVA SOUTHEASTERN UNIVERSITY

2020-2023 COMMERCIALIZATION EXPERT, LIFEX LABS

2019-2022 PROFESSOR AND EXECUTIVE DIRECTOR OF THE CENTER FOR EXCELLENCE IN ENTREPRENEURSHIP, DUQUESNE UNIVERSITY

2018-present MANAGING DIRECTOR, ANGEL BRIDGE PARTNERS

2015-2018 EXECUTIVE IN RESIDENCE, TECHGROWTH OHIO

2015-2018 ADJUNCT PROFESSOR OF ENTREPRENEURSHIP, OHIO UNIVERSITY

2013-2014 COMMERCIALIZATION ALLIANCE MANAGER, INNOVATION WORKS

2011-2013 DIRECTOR, BLUE WATER GROWTH, LLC

2008-2011 PRESIDENT AND COO, NEUROINTERVENTIONAL THERAPEUTICS, INC.

2006-2008 EXECUTIVE IN RESIDENCE, PITTSBURGH LIFE SCIENCES GREENHOUSE

2006-2006 SENIOR DIRECTOR AND ASSISTANT TO THE SVP OF RESEARCH, SEAGATE TECHNOLOGY

2005-2006 CONSULTING DIRECTOR, INETWORKS, LLC

2005-2006 VICE PRESIDENT, POWERCAST, LLC

2001-2006 FOUNDER, PRESIDENT AND CEO, VERIMETRA, INC.

1999-2001 PRESIDENT, XACTIX, INC.

1998-1999 VICE PRESIDENT OF SALES AND MARKETING, E.A. FISCHIONE INSTRUMENTS, INC.

1994-1998 VICE PRESIDENT OF TECHNOLOGY, KURT J. LESKER COMPANY.

1995-1997 PRESIDENT, MSR TECHNOLOGIES.

1992-1994 DIRECTOR, LESKER ANALYTICAL DIVISION, KURT J. LESKER COMPANY.

1989-1992 DIRECTOR OF RESEARCH AND DEVELOPMENT, KURT J. LESKER COMPANY.

1988-1989 VISITING RESEARCH ASSOCIATE, CARNEGIE MELLON UNIVERSITY.

- Recipient of the 2023 Headwinds of History Award at Nova Southeastern University
- Recipient of the 2020 Eugene P. Beard Outstanding Service Award at Duquesne University
- Nominated member of the 2004 Fast Trackers by the editors of the Pittsburgh Business Times
- Nominated member of the 2004 Rising Stars by the Pittsburgh CLO
- American Physical Society
- Institute of Electrical and Electronics Engineers
- American Society for Mass Spectrometry
- Boy Scouts of America, (Eagle Scout 1977)

2022-present Certified Mentor at SCORE

2022-present Certified Advisor at Fedtech

2020-present Lead Mentor at CleanTech Open NorthEast

2020-present Mentor VentureBridge at CMU

2019-2022 Business Plan Coach, Penn Hills Charter School for Entrepreneurship

2018-2019 EIR at UCLA’s Technology Development Group

2016-2018 Mentor at I-Corps@Ohio, which is modeled after NSF’s successful I-Corps program

2015-2018 Guest Lecturer, Marietta, Logan, and John Glenn High Schools in Ohio

2015-present Mentor and Coach at Startup Weekend in Athens, OH, Zanesville, OH and Pittsburgh, PA

2003-present Business and Strategic Advisor to More than 200 technology startups

2006 Invited Speaker at the International Education Week

2006 Invited Speaker at the Pittsburgh Product Strategy Network

2004 Invited Speaker at the Pittsburgh International Science and Technology Festival

2003 Invited Speaker at the FDA

2001 Invited Speaker at the Pittsburgh International Science and Technology Festival

1998 Invited speaker at a Pennsylvania Congressional Delegation Luncheon dealing with Basic and Applied Research Funding and Technology Transfer, at the US Capitol

1995 Participated in the US Army Workshop on Electro Optics Manufacturing Science and Technology, Ft. Belvoir, VA.

1995 Participated in the Industry/University Workshop on Optical Coatings Technology for Manufacturing, SUNY Stony Brook, NY.

1992-1998 Reviewer for the Ben Franklin Technology Center of Western Pennsylvania, Technical and Business Grant Proposals, Pittsburgh, PA

1991 Participated in the Q-NET Annual Conference on Quality Assurance and Total Quality Management, Pittsburgh, PA

1987 Participated in the American Physical Society's Short Course: ”An Introduction to Current Research in Biological Physics,” New York, NY

1986 Participated in the 31st Scottish Universities Summer School in Physics on “Localization and Interaction on Disordered Metals and Doped Semiconductors,” St. Andrews, Scotland, (a NATO Advanced Study Institute)

C. Contributions to Science

Issued Patents:

1. MEMS-Equipped Cutting Instrument, #6,494,882
2. Apparatus for etching semiconductor samples and a source for providing a gas by sublimination thereto #6,887,337
3. Method of making a cutting instrument having integrated sensors, #6,972,199
4. Catheter with Microfabricated Temperature Sensing, #8,034,050
5. Catheter with Multiple Microfabricated Temperature Sensors, #8,475,448

Invited Papers:

1. “Superconducting YBCO Thin Films on Si with Buffer Layers”; Michele Migliuolo, in *High Temperature Superconductors*, ed. by J.J. Pouch, S.A. Alterovitz and R.M. Romanofsky, (Materials Science Forum Series Volumes **130-132**, Trans Tech Publications, Aedermannsdorf, Switzerland, 1993), pp. 191-212.
2. “YBCO Thin Films by On-Axis Sputtering”; Michele Migliuolo Chin-Ya Hung, and Ed Schlesinger, Superconductor Industry **7**, 15 (1994).
3. “Manufacturing Process Issues during Magnetron Sputtering of Electro-Optic Material Blends”; M. Migliuolo, Optical Society of America, Rochester, NY, October 1996.
4. “Electro-Optic Thin Films by Magnetron Sputtering”; M. Migliuolo and T.E. Schlesinger, Il Nuovo Cimento **D**, October 1998.
5. “Xenon Difluoride Etching for MEMS Processes”; M. Migliuolo, Electronic Journal, **1**, 128 (2001)

Refereed Papers:

1. "Inductance Effects on Resonator Dielectric Measurements"; R.J. Deri and M. Migliuolo, Rev. Sci. Instrum. **58**, 890 (1987).

2. "Varactor Resonator Calibration for Dielectric Measurements"; M. Migliuolo and R.J. Deri, Rev. Sci. Instrum. **58**, 892 (1987).

3. "A Novel Tunable Reentrant Microwave Cavity"; M. Migliuolo and T.G. Castner, Rev. Sci. Instrum. **59**, 388 (1988).

4. "Microwave Conductivity Measurements in Insulating Si:P near the Metal-Insulator Transition"; M. Migliuolo and T.G. Castner, Solid State Commun. **67**, 863 (1988).

5. "Characterization of Yttria Stabilized Zirconium Oxide Buffer Layers for High Temperature Superconductor Thin Films"; J.-W. Lee, T.E. Schlesinger, A.K. Stamper, M. Migliuolo, D.W. Greve, and D.E. Laughlin, J. Appl. Phys. **64**, 6502 (1988).

6. "Frequency Dependent Conductivity of Insulating Si:P and Si:As near the Metal-Insulator Transition"; M. Migliuolo and T.G. Castner, Phys. Rev. **B38**, 11593 (1988).

7. "Influence of Y_2O_3/ZrO_2 Buffer Layers on Sputtered Films of $YBa_2Cu_3O_{6+x}$"; D.W. Greve, A.K. Stamper, T.E. Schlesinger and M. Migliuolo; Mat. Sci. and Eng. **A109**, 325 (1989).

8. "Single Target Sputtering of Superconducting $YBa_2Cu_3O_{7-\square}$ Thin Films on Si (100)"; M. Migliuolo, A.K. Stamper, D.W. Greve and T.E. Schlesinger, Appl. Phys. Lett. **54**, 859 (1989).

9. "Microstructure of Superconducting $YBa_2Cu_3O_{7-\square}$ Thin Films on Si and Alumina Substrates with Buffer Layers"; J.-W. Lee, M. Migliuolo, A.K. Stamper, D.W. Greve, D.E. Laughlin and T.E. Schlesinger, J. Appl. Phys. **66**, 4886 (1989).

10. "Absence of Negative Ion Effects During On-Axis Single Target Sputter Depositions of Y-Ba-Cu-O Thin Films on Si (100)"; M. Migliuolo, R.M. Belan and J.A. Brewer, Appl. Phys. Lett. **56**, 2572 (1990).

11. "Magnetron Sputter Deposition of Magnetic Materials From Thick Targets"; M. Migliuolo, J.A. Brewer and R.M. Belan, Vuoto **XX**, 414 (1990).

12. "TEM Characterization of YBCO/$SrTi_3$ Layers Grown on (100) MgO Substrates"; S. Nicoletti, A. Migliori, L. Correra, M.G. Francesconi, and M. Migliuolo, Physica **C**.

13. "On-Axis Single target Sputter Deposition of YBCO on Si and YSZ,"; C.-Y. Hung, J.M. Van Scyoc, T.E. Schlesinger, J.C. Johnson, J.A. Brewer, and M. Migliuolo, Mat. Sci. and Eng. **B33**, 85 (1995)

14. "Sputter Deposited C-oriented $LiNbO_3$ Thin Films on SiO_2"; S. Tan, T. Gilbert, C.-Y. Hung, T.E. Schlesinger and M. Migliuolo, J. Appl. Phys. **79**, 3548 (1996)

15. "The Role of Si_3N_4 in the Texture of Sputter Deposited $LiNbO_3$ Thin Films"; S. Tan, T.E. Schlesinger and M. Migliuolo, Appl. Phys. Lett. **68**, 2651 (1996).

16. "Luminescence and Guided-Optics in Er-doped Glass and GaAs Films"; H.K. Kim, C.C. Li, Y. Li, and M. Migliuolo, J. of Luminescence **72-74**, 215 (1997).

17. "Er-doped Glass Ridge-Waveguide Amplifiers Fabricated with a Collimated Sputter Deposition Technique"; Cheng Chung Li, Hong Koo Kim, and Michele Migliuolo, IEEE Photonics Technology Letters **9**, 1223 (1997).

18. "Collimated Sputter Deposition of Er-doped Glass Films"; C.C. Li, H.K. Kim, and M. Migliuolo, J. Vac. Sci.

19. ZnO:MOCVD Processing and Material Applications"; G.S. Tompa, Y. Li, E. Forsythe, D. Bingaman, and M. Migliuolo, Mat. Tech., Feb. 11, 1997, pp. 1-17

20. "Thickness Calibration for Sputtering Manufacturing Processes"; J. Brown and M. Migliuolo, J. Vac. Sci. and Tech.

21. "LUMINESCENCE AND GUIDED-OPTICS IN ER-DOPED GLASS AND GAAS FILMS"; HI ESTEBANH, HA FEJFARH, HB ILLERAH, HRS KATIYARH, HHK KIMH, HJ KOCKAH, HN LALICH, HDW LANGERH, HY LIH, HCC LIH, HJ LINNROSH, HJ LLOPISH, HK LUTEROVAH, HM MIGLIUOLOH, HG MORELLH, HSE PAJEH, HI PELANTH, HIF PIEROLAH, HB SERRANOH, HMR VIGILH, Journal of Luminescence**72-4**, 1997

22. "Pharmaco-mechanical Clot Disruption using a Balloon Infusion Wire in an Acute Rabbit Common Carotid Artery Thromboembolic Occlusion Model"; M. Gounis, R. Nogueira, M. Mehra, E. Finol, Y. Yang, S. Jahrmarkt, M. Migliuolo, A. Wakhloo1, Journal of NeuroInterventional Surgery, July 2011

23. "Efficacy And Safety Evaluation Of Endovascular Revascularization Devices In The A Rabbit CCA Occlusive Model"; Manik Mehra,; Raul G Nogueira, Ender A Finol, Michele Migliuolo, Scott Jahrmarkt, Yi Yang,; Matthew J Gounis; International Stroke Conference, 2012