Margo R. Deckard

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SUMMARY STATEMENT

Margo Deckard is the Co-founder and Chief Operating Officer of Lynk Global, Inc. Her career spans more than 2 decades of technology development and space policy. She has deployed and tested field technology in humanitarian, defense, and space sectors. A professional leader with significant cross-functional experience in C-suite management, engineering, and laboratory and field testing. Significant experience working in challenged geographies.

EDUCATION

- Ph.D. Candidate, 2001, Wright State University, Department of Biomedical, Industrial and Human Factors Engineering, Dayton, Ohio
- M.S., 1999, Systems/Human Factors Engineering, Wright State University, Department of Biomedical, Industrial and Human Factors Engineering, Dayton, Ohio
- Paramedic Certificate, 1997, Sinclair Community College, Dayton, Ohio
- B.S., 1992, Biological Sciences/Genetic Engineering, Purdue University, West Lafayette, Indiana

WORK EXPERIENCE

- **January 2017 to Present:** Lynk Global, Inc., Co-founder and Chief Operating Officer
- **Summer 2009 to January 2017:** NexGen Space, Inc. Consulting across sectors from Humanitarian, Defense and Space. Projects of note include NetHope's consultancy "Building Tableau Visualizations via UNHCR Data Portal on Syrian Crisis REST Application Programming Interface (API) and Tableau Visualization of BGAN Usage in the Ebola Outbreak of 2014-2015" and USAF Study intitled: "FAST SPACE: Leveraging Ultra Low-Cost Space Access for 21st Century Challenges" (Air University, June 2017).
- **Fall 1998 to Spring 2009:** Space Policy Consulting, Inc; chairwoman and owner; principal investigator for a $100,000 NASA funded grant (NAG8-1616) entitled "Assessment, Outreach, and Future Research of Environmental and Safety Factors related to Space Solar Power". Principal investigator on a $250,000 NASA grant (HEDS Technology/Commercialization Initiative) entitled "An Assessment of Environmental Issues related to Space Solar Power and Wireless Power Transmission." The two main products for the grant were (1) a symposium and (2) the architecture for an environmental impact study.
- **May 1996 to July 1998:** Research Associate, Wright State University, responsibilities included: managing a laboratory facility including four clean rooms, managing an AWWARF grant, the Assessment of Blue-Green Algal Toxins in Raw and Finished Drinking Water, writing quarterly progress reports, management of the culture collection, oversight of students in the laboratory, oversight of +1 million dollar renovation of laboratory space, and organized the 1997 Great Lakes Aquatic Ecosystem Research Consortium Colloquium.

- **January 1995 to February 1996:** Assistant to the President, Coretronics, Inc., helped to set-up an S corporation for consulting work in the field of patent infringement and prior art.
- **January 1996 to May 1996**: Adjunct Faculty, Wright State University, Pre-College Programs, designed and instructed a Saturday enrichment class for 4th through 8th grades on rocketry.
- **September 1992 to December 1994**: Research Associate, Veteran's Administration, Dayton, Ohio, managed basic science research facility; the main research focus was the effects of fatty acids on the male hormones and their pathways. Responsible for *in vivo* animal studies, tissue cultures, radio-labeling and analysis, autoradiography, protein determination, using a scintillation counter, microdissection, gross anatomy dissection, polymerase chain reaction (PCR), immunocytochemical localization, various biochemical techniques, and grant writing.
- **January 1990 to May 1992:** Undergraduate Research Associate, Purdue University, conducted a project in bacterial genetics under the supervision of Dr. Mark Levinthal, professor. Implemented sterile technique, enzyme assays, used transduction in bacterial strain constructions, directed mutation, PCR techniques, and agarose gel electrophoresis.
- **Spring 1991 and Spring 1992:** Undergraduate Teaching Assistant, Purdue University, Biology 132, Department of Biological Sciences.
- **Summer 1991:** Summer Intern, Purdue University, Food Science Department, conducted gel-liquid chromatography experiments to optimize the separation of two-component mixtures.
- **Summer 1989:** Summer Intern, Purdue University, Department of Biological Sciences, Welder Wildlife Refuge, Sinton, Texas. Conducted ecological field studies with the dung beetle and armadillo. Learned how to collect field data, aided in field surgery, tracked migration using radio equipment, financial support from the National Science Foundation.

PANELS, POSTERS, PRESENTATIONS, PUBLICATIONS

Panel, "Strengthening Cybersecurity of SATCOM," 18th Annual COMSATCOM Workshop, Washington D.C., 14 December 2022.

Presentation and Panel, "Ubiquitous Broadband Connectivity for Mobile Phones," PCSE (Public Safety Communications Europe) Conference, Brussels, Belgium, 5 December 2022.

Presentation and Panel, European Conference of Postal and Telecommunications Administrations (CEPT) Satellite innovations and regulatory challenges Workshop, Direct connectivity solutions via satellite, Session 4, Copenhagen, Denmark, 21 November 2022.

Presentation and Panel, "What's Hot in the connected World," Mobile World Congress Americas, Las Vegas, NV, 30 September 2022.

Presentation and Panel, "Satellite @ MWC Las Vegas," Mobile World Congress Americas, Las Vegas, NV, 29 September 2022.
Panel, Women in Communications, International Wireless Communications Expo (IWCE), Las Vegas, NV, April 2022.

Presentation and Panel, International Wireless Communications Expo (IWCE), "Mission Critical and Life Saving Communications Direct to Mobile Phones," Las Vegas, NV, 29 September 2021.

Presentation and Panel, 6G Summit, Virtual, King Abdullah University of Science and Technology, 27 October 2020.

Shubber, Ali, **Margo Deckard**, chair, John Mankins, Col. Michael V. "Coyote" Smith, Dr. Paul Werbos, Space-Based Solar Power Development in Today's Political Environment, NewSpace 2007: Accelerating Change, Space Frontier Foundation's Annual Conference, July 21, 2007.

M. Cox, T. Hartrum, S. Narayanan, B. Kerkez, G. Edwin, **M. Deckard**, S. DeLoach, T. Jacobs, C. Sparkman, J. Nonnweile, S. Brown, and R. Eggleston, Collaborative Information Systems and Adaptive Work Processes, Air Force Research Laboratory, Poster Presentation, 2002.

M. Deckard and S. Narayanan, Operator Function Model of Emergency Dispatchers, Proceedings of the 2001 IEEE International Conference on Systems, Man, and Cybernetics, Phoenix, AZ.

Gerard K. O'Neill, The High Frontier: Human Colonies in Space, 3rd edition, **Margo Deckard**, Chapter 14: A Technology For A Better Future: Space Solar Power/An Unlimited Energy Source, Apogee Books, 2000.

M. Deckard, S. Narayanan, M. T. Cox, Natural System Metaphors for Supporting Collaboration in Air Force Applications, Proceedings of the IEA 2000/HFES 2000 Congress, 2-614 to 2-617.

M.R. Deckard, Assessment, Outreach, and Future Research of Environmental and Safety Factors related to Space Solar Power, 51st International Astronautical Congress, Presentation/Publication, Rio de Janeiro, Brazil, October 3, 2000.

Margo Deckard, Christopher Faranetta, chair, Robert Gent, and Guy Pignolet, Space Power and the Environment, Evening Panel Discussion, Space Manufacturing 12: Challenges and Opportunities in Space, Space Studies Institute Conference, Princeton, NJ, May 6, 1999.

M. R. Deckard and W. W. Carmichael, Assessment of Blue-Green Algal Toxin in Raw and Finished Drinking Water, American Water Works Association Conference, Atlanta, Georgia, Poster Presentation, June 1997.

M. R. Deckard, W. W. Carmichael, J. An, F. S. Chu, X. Huang, S. Krasner and A. Scarritt. Assessment of Blue-Green Algal Toxin in Raw and Finished Drinking Water, Great Lakes Aquatic Ecosystem Research Consortium Colloquium, Wright State University, Poster Presentation, April 29, 1997.

M. R. Deckard, Women in Space, Space Frontier Foundation Conference, Los Angeles, CA, Poster Presentation, October 1996.

M. R. Deckard and T. Liang, Androgen Action in the Dermal Papilla of the Siberian Hamster, Jackson Hole Laboratory Conference, Poster Presentation, Fall 1993.

VOLUNTEER POSITIONS AND SPECIAL INTERESTS

- International Wireless Communications Expo (IWCE), Advisory Board, 2022 to present
- ProSpace, Member since March 1996, Grass-roots activist (actively lobby Congress for specific actions that will open the space frontier)
- Space Frontier Foundation, Advocate since July 1996, Corporate Secretary/2 terms, Board Member/2 terms, Programming Co-Chair for 7th and 8th Annual Conferences, Chaired the session on Space Solar Power for 8th Annual Conference
- SUNSAT Energy Council, Member, Board of Directors, 2001-2003
- Volunteer, First Responder, 1994-2000
- Suicide Prevention Center Volunteer, February 1995 to May 1996
- Biology Club, President, Purdue University, 1991-1992
- Lafayette Transitional Housing Center Volunteer, Summer 1990
- National Space Society Chapter Leader and Member
- Private Pilot License, May 1988