Donald Way Lupo

Address: Waldschmidtstr. 7
60316 Frankfurt, Germany
Tel. (+49 69) 90 43 16 42
Fax (+49 69) 90 43 16 47
Mobile: (+49 178) 664 1619
E-Mail: consulting@donaldlupo.com

Date and place of birth: 13 March 1956 in Anderson, SC, USA

Citizenship: German

Education

1974-1978: Bachelors studies, Davidson College, Davidson, N.C. Bachelor of Science in Chemistry. Research Advisor: Prof. Merlyn Schuh. Topic: electronic energy transfer between carbonyl triplet states and oxygen in the gas phase.

1978-1984: Graduate studies, Indiana University, Bloomington, IN, Department of Chemistry. Major: physical chemistry. Minor: physics. Ph.D. in physical chemistry, defense 16 Jan. 1984. Advisor: Prof. George Ewing. Dissertation topic: vibrational energy transfer in cryogenic liquids.

Professional Positions

September 1978-May 1983: Teaching Assistant, Indiana University, Dept. of Chemistry. Supervision of general chemistry and physical chemistry laboratories, development of lecture demonstrations for a chemistry course for non-science majors.

June-August 1981: Visiting Lecturer, Indiana University, Dept. of Chemistry. Full responsibililty for introductory chemistry course.

January 1984-November 1986: Research Associate, Laboratorium für physikalische Chemie, Eidgenössische Technische Hochschule Zürich, Switzerland. Research topics: quantitative kinetics of infrared multiphoton excitation and IR laser-induced chemistry, laser-induced isotope separation. Teaching assistant in physical chemistry.

December 1986-December 1992: Research Scientist, Applied Physics Department, Central Research II, Hoechst AG, Frankfurt am Main, Germany. Research activities: ultrathin organic films and applications thereof in nonlinear optics. Member of multilateral BMFT project "Ultrathin Polymer Films".

March -December 1992: Establishment of first activities in polymer electroluminescence.

January-December 1993: Delegated to Hoechst Japan Ltd., Advanced Technology Laboratories, Kawagoe, Saitama, Japan. Coordination of nonlinear optics technology transfer between Hoechst Celanese and Hoechst Japan, establishment of research activities in organic and polymer electroluminescence.

January 1994- August 1997: Research Scientist in Central Research, Exploratory Projects, Hoechst AG, Frankfurt. Member of project "Light Emitting Polymers". Responsibility for preparation and characterisation laboratory, from June 1995 also for the thin films technology laboratory (four technicians). From April 1996 coordinator of physics laboratories and experimental planning. Research activities: device preparation and characterisation, device stability, thin film preparation techniques.

August 1995- March 1998: Establishment of activities in nanocrystalline solar cells in Central Research, Hoechst AG (from Jan. 1998 Hoechst Research and Technology GmbH), Frankfurt. Project Manager for project "Hybrid Solar Cells". Research activities: development of new charge-transport

materials for photovoltaics. Supervision of doctoral candidate. Collaborative research effort with École Polytechnique Fédérale de Lausanne, Switzerland and Max-Planck-Institut für Polymerforschung, Mainz.

February – August 1997: preparation, with an international team within Hoechst, of a market study on opportunities for chemistry in the energy sector.

April 1998 – September 1999: Senior Manager, Materials Science Laboratories, Sony International (Europe) GmbH), Stuttgart. Growth of a new department for materials research, support of existing projects, establishment and leadership of new projects, establishment of a network of university cooperations. Activities in polarized polymer electroluminescence, photovoltaics and nanoparticles. Successfully built and spearheaded a consortium and application for an EU project in the area of biomimetic assembly of nanoelectronic devices (BIOAND).

November 1999 – January 2002: NTera Ltd. (formerly Nanomat Ltd.), Dublin, Ireland. R&D Manager, Display Research. Responsible for management of all research activities in electrochromic paper quality displays, leading of research team, external partnerships. Involvement in determination of company strategy as member of company management team.

January – May 2001: Trinity College, Dublin, Department of Physics, Guest Lecturer and Research Associate. Taught an honours level course in molecular electronics.

Since January 2002: Self-employed as technology consultant in areas of novel displays, functional materials and printed electronics. Evaluation of technology, business plan preparation, technical and strategic consulting for startups, industrial firms and investors. Current customers include UPM-Kymmene Oy Corporate Venturing, Thin Film Electronics AB, Nano e-Print Ltd. Engaged as external reviewer by the European Commission and Fraunhofergesellschaft for projects in the fields of displays, lighting and large area electronics.

Since February 2009: Adjunct professor of materials science, School of Materials Science and Engineering, Clemson University, South Carolina, USA

Languages

English: mother tongue (American variant)
German: fluent writing, speaking and reading knowledge
French: limited speaking, good reading knowledge
Japanese: very basic spoken knowledge, poor reading knowledge (kana alphabets, ca. 50 kanji)
Finnish: in process of learning, some vocabulary but limited speaking knowledge

Activities

Advisory board, EU project „Luminescent Polymers“ November 1998 - December 2001
Advisory board, German Materials Society (Deutsche Gesellschaft für Materialkunde), 1999-2007
Technology Advisory Boards, Thin Film Electronics AB, Nano Eprint Ltd. PETEC Ltd.
Member of American Physical Society, German Materials Society and Society for Information Display
Member of Organic Electronics Association and speaker for applications roadmap group “OTFT for displays”

Publications/Patents
Author of 33 scientific publications
Inventor on over 40 patents and patent applications in the fields of optoelectronics, thin films, displays and photovoltaics