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Ph.D., Materials Science and Engineering, Cornell University, 1976.

M.S., Materials Science and Engineering, Cornell University, 1972.

B.S., Metallurgical Engineering, Drexel University, 1970.

Selected Publications:

1. R. A. Bubeck, D. J. Buckley, Jr., E. J. Kramer, H. R. Brown, "Modes of Deformation in Rubber-Modified Thermoplastics during Tensile Impact," *J. Mater. Sci.*, **26**, 6249 (1991).
2. R. A. Bubeck, C. C. Chau, S. J. Nolan, S. Rosenberg, M. D. Newsham, and M. Serrano, "Polybenzazole Fiber with Ultra-High Physical Properties and Method for Making Them", U. S. Pat. No. 5,356,584, October 18, 1994.
3. R. A. Bubeck and M. A. Barger, "Injection Blow Molding for Polyethylene Terephthalate", *Intern. Polymer Processing*, XV, 4, 337-341 (2000) – Invited paper.
4. R. A. Bubeck, P. R. Dvornic, J. Hu, A. Hexemer, X. Li, S. E. Keinath, and D. A. Fischer, "Near Edge X-ray Absorption Fine Structure (NEXAFS) Studies of Copper Ion-Containing PAMAMOS Dendrimer Networks"; *Macromolecular Chemistry and Physics*, **206**, 1146 – 1153 (2005).
5. S. Rendon, R. A. Bubeck, L. S. Thomas, W. R. Burghardt, A. Hexemer, and D. A. Fischer, "Interrogation of 'Surface', 'Skin', and 'Core' Orientation in Thermotropic Liquid Crystalline Copolyester Moldings by Near-Edge X-ray Absorption Fine Structure and Wide-Angle X-ray Scattering" *J. Appl. Poly. Sci.* **106**, 2502 (2007).
6. J. Fang, W. R. Burghardt, R. A. Bubeck, S. M. Burgard, and D. A. Fischer, "Bulk and Surface Molecular Orientation Distribution in Injection-Molded Liquid Crystalline Polymers: Experiment and Simulation" *Polym. Eng. Sci.* **50**, 1864 (2010).
7. J. Fang; W. R. Burghardt; R. A. Bubeck "Molecular orientation distributions during injection molding of liquid crystalline polymers: Ex situ investigation of partially filled moldings", *Polymer Engineering and Science*, 52(4):774-786 (2012).
8. R. A. Bubeck, M. Most, T. Zhang; "3D Printing and Evaluation of Novel Nanographene-Containing ABS Thermoplastics", Chapter 4, 53-68, in *Polymer-Based Additive Manufacturing- Recent Developments*, June 19, 2019; Eds: Seppala, J. E., Kotula, A. P., Snyder, and Chad R., ACS Symposium Series ; 1315 (2019).