

Books and Book Chapters (Update 1 June 2013)

1. Spelt, J.K. and Neumann, A.W. "The Theory of Surface Tension Components and the Equation of State Approach", in **Progress in Colloid and Polymer Science, Vol. 77: Dispersed Systems**, ed. Kilian, H.G., Lagely, G., Hummel, K. and Schurz, J., Steinkopf Verlag - Darmstadt/Springer Verlag, New York, pp. 29-39, 1988.
2. Sinclair, A.N., Dickstein, P.A., Spelt, J.K., Segal, E. and Segal, Y. "Acoustic Resonance Methods for Measuring Dynamic Elastic Modulus of Adhesive Bonds", in **Dynamic Elastic Modulus Measurements in Materials, ASTM STP 1045**, ed. Alan Wolfenden, American Society for Testing and Materials, Philadelphia, pp. 162-179, 1990.
3. Ackerman, J.D., Ethier, C.R., Allen, D.G. and Spelt, J.K. "The Biomechanics of Byssal Adhesion in Dreissena Polymorpha", in **Zebra Mussels: Biology, Impact and Control**, ed. Nalepa, T.F. and Schloesser, D.W., Lewis Publishers, Boca Raton, Florida, 1992.
4. Spelt, J.K., Li, D. and Neumann, A.W. "The Equation of State Approach to Interfacial Tensions", in **Modern Approaches to Wettability: Theory and Applications**, ed. Schrader, M.E. and Loeb, G., Plenum Press, New York, 1992.
5. Neumann, A.W. and Spelt, J.K. (editors) **Applied Surface Thermodynamics**, Marcel Dekker, New York, 1996.
6. Spelt, J.K. and Li, D., "The Equation of State for Interfacial Tensions", Chapter 5, **Applied Surface Thermodynamics**, ed. Neumann, A.W. and Spelt, J.K., Marcel Dekker, New York, pp. 239-292, 1996.
7. Spelt, J.K., Kwok, D. and Li, D., "The Theory of Surface Tension Components and the Equation of State Approach", Chapter 6, **Applied Surface Thermodynamics**, ed. Neumann, A.W. and Spelt, J.K., Marcel Dekker, New York, pp. 293-332, 1996.
8. Spelt, J.K. and Vargha-Butler, E., "Contact Angle and Liquid Surface Tension Measurements: General Procedures and Techniques", Chapter 8, **Applied Surface Thermodynamics**, ed. Neumann, A. W. and Spelt, J.K., Marcel Dekker, New York, pp. 379-412, 1996.
9. Papini, M. and Spelt, J.K., "The Mechanics of Coatings", Chapter 9, **Adhesion Science and Engineering**, eds. Pocius, A.V. and Dillard, D.A., Elsevier Science Ltd., 2002.
10. Tong, L., Spelt, J.K. and Fernlund, G., "Strength Determination of Adhesive Bonded Joints", Chapter 2, **Recent Advances in Structural Joints and Repairs for Composite Materials**, eds. Tong, L. and Soutis, C., Kluwer Academic Publishers, 2003.
11. Spelt, J.K., "Measurement of Time Dependent Crack Growth", in **Best Practices in Preparing and Testing Adhesive Joints**, eds. da Silva, L., Dillard, D., Blackman, B. and Adams, R., Wiley, Oct. 2012.

12. Azari, S., Ameli, A., Papini, M. and Spelt, J.K., "Mixed-mode Fatigue Testing of Adhesive Joints", in "**Best Practices in Preparing and Testing Adhesive Joints**", eds. da Silva, L., Dillard, D., Blackman, B. and Adams, R., Wiley, Oct. 2012.
13. Ameli, A., Azari, S., Papini, M. and Spelt, J.K., "Mixed-mode Fracture Testing", in "**Best Practices in Preparing and Testing Adhesive Joints**", eds. da Silva, L., Dillard, D., Blackman, B. and Adams, R., Wiley, Oct. 2012.
14. Ameli, A., Datla, N.V., Azari, S., Papini, M. and Spelt, J.K., "Durability Testing Using Open-faced Specimens", in "**Best Practices in Preparing and Testing Adhesive Joints**", eds. da Silva, L., Dillard, D., Blackman, B. and Adams, R., Wiley, Oct. 2012.