

## **Publications of parts of this thesis**

R. Ehlich, C. Stanciu, K. Buttke, "Phototransformation of  $C_{60}$  and  $Li@C_{60}$  films probed by second harmonic generation", *Molecular Materials* 13 (2000), 243

R. Ehlich, C. Stanciu, K. Buttke, "Thin films of  $Li@C_{60}$ ", AIP Conference Proceedings *Electronic properities of novel materials – molecular nanostructures* (2000), 164

C. Stanciu, R. Ehlich, I. V. Hertel, "Photopolymerization of  $C_{60}$  and  $Li@C_{60}$  studied by Second Harmonic Generation and Infrared Spectroscopy", *Journal of Chemical Physics* (submitted)

G. Ya. Slepian, S. A. Maksimenko, A. Khrushchinski, J. Herrmann, C. Stanciu, R. Ehlich, F. Rotermund, V. Petrov, E. E. B. Campbell, I. V. Hertel, "Third harmonic generation in carbon nanotubes: theory and experiment"  
(in preparation)

C. Stanciu, R. Ehlich, F. Rotermund, V. Petrov, I. V. Hertel, "Optical properties and excitation dynamics in thin films of  $C_{60}$  and  $Li@C_{60}$ "  
(in preparation)

## **Presentations at conferences**

C. Stanciu and R. Ehlich, "Photoreactions in [60]fullerene films"  
Presentation at DPG Frühjahrstagung, Münster, March 1999

C. Stanciu and R. Ehlich, "Photopolymerization of [60]fullerene films studied by second harmonic generation"  
Poster at ERC- Chemistry and Physics of Multifunctional Materials, San Feliu de Guixols, Spain, September 1999

C. Stanciu, R. Ehlich, "Photopolymerization of crystalline  $C_{60}$  films"  
Poster at ECOSS 19, Madrid, Spain, September 2000