

## 10. Publications derived from this work

### Journals:

- Swaraj, S.; Oran, U.; Lippitz, A.; Schulze, R.-D.; J. F. Friedrich, Unger, W. E. S.,  
“Surface analysis of plasma-deposited polymer films. Part 2: Analysis of post-plasma air reacted plasma polymerized styrene by X-ray photoelectron spectroscopy and X-ray absorption spectroscopy”, *Plasma Processes and Polymers*, *1*, **2004**, 134.
- Swaraj, S.; Oran, U.; Lippitz, A.; Friedrich J. F., Unger, W. E. S.,  
“Study of influence of external plasma parameters on Plasma-polymerized films prepared from organic molecules (Acrylic acid, Allyl alcohol, Allylamine) using XPS and NEXAFS”, Accepted in *Surface and coating technology (PSE 2004)*.
- Swaraj, S.; Oran, U.; Lippitz, A.; J. F. Friedrich, Unger, W. E. S.,  
“Surface analysis of plasma-deposited polymer films. Part 4: In situ Characterization of Plasma Deposited Ethylene Films by XPS and NEXAFS. *Plasma Processes and Polymers*, *2*, **2005**, 310.
- Swaraj, S.; Oran, U.; Lippitz, A.; J. F. Friedrich, Unger, W. E. S.  
“Surface analysis of plasma-deposited polymer films. Part 6: Analysis of post-plasma air reacted plasma polymerized Allyl alcohol by X-ray photoelectron spectroscopy and X-ray absorption spectroscopy”. Accepted in *Plasma Processes and Polymers*.
- U. Oran, S. Swaraj, J. F. Friedrich and W. E. S. Unger,  
“Surface analysis of plasma-deposited polymer films. Part 1: Time of Flight Static Secondary Ion Mass Spectrometry (ToF-SSIMS) of plasma polystyrene before and after exposure to ambient air”, *Plasma Processes and Polymers*, *1*, **2004**, 123.
- U. Oran, S. Swaraj, J. F. Friedrich and W. E. S. Unger,  
“Surface analysis of plasma-deposited polymer films. Part 3: In situ characterisation of Plasma-deposited Ethylene Films by ToF-SSIMS”, *Plasma Processes and Polymers*, *1*, **2004**, 141.
- U. Oran, S. Swaraj, J. F. Friedrich and W. E. S. Unger,  
“Surface analysis of plasma-deposited polymer films. Part 5: Time of Flight Static Secondary Ion Mass Spectrometry (ToF-SSIMS) of plasma deposited allyl alcohol

before and after exposure to ambient air”, Accepted in Plasma Processes and polymers.

- U. Oran, S. Swaraj, J. F. Friedrich and W. E. S. Unger, “Surface analysis of plasma deposited polymer films by Time of Flight Static Secondary Ion Mass Spectrometry (ToF-SSIMS) before and after exposure to ambient air”, Accepted in Surface and coating technology (PSE 2004).

### Posters:

- Swaraj, S.; Retzko, I.; Treu, D.; Friedrich, J.; Unger, W.; Matsubuyashi, N.; Imamura, M. ; Tanaka, T.; Shimada, H.  
“Non-destructive depth profiling and semi-quantitative determination of unsaturated carbon species in pulse plasma deposited organic films”.  
10<sup>th</sup> European Conference on Applications of Surface and Interface Analysis (ECASIA’03), **2003**, 213.
- Swaraj, S.; Oran, U.; Retzko, I.; Schulze, R-D.; Lippitz, A.; Wirth, T.; Friedrich, J.; Unger, W. E. S.  
“Study of effects of plasma parameters by characterization of pulse plasma deposited organic films”.  
10<sup>th</sup> European Conference on Applications of Surface and Interface Analysis (ECASIA’03), **2003**, 214.
- Swaraj, S.; Oran, U.; Retzko, I.; Schulze, R-D., Lippitz, A.; Wirth, T.; Friedrich, J.; Unger, W. E. S.,  
“Study of effects of plasma parameters by characterization of pulse plasma deposited organic films”  
22<sup>nd</sup> BESSY Users' Meeting, **2003**.
- Swaraj, S.; Oran, U.; Lippitz, A.; Schulze, R.-D.; J. F. Friedrich, Unger, W. E. S.,  
“Effects of plasma parameters on the chemistry of pulsed plasma deposited organic films.” 9th conference on plasma surface engineering (PSE 2004), Garmisch-Partenkirchen, Germany, **2004**, 388.

- Oran, U.; Swaraj, S.;Lippitz, A.;Schulze, R.-D.;Unger, W. E. S.  
“Characterization of Plasma-deposited Ethylene, Allyl-alcohol and Ethylene-Allyl-alcohol co-polymer Films by Time-of-Flight Static Secondary Ion Mass Spectrometry (TOF-SIMS)”.  
10<sup>th</sup> European Conference on Applications of Surface and Interface Analysis (ECASIA’03), **2003**, 215.

### Annual reports:

- S. Swaraj, U. Oran, A. Lippitz, R.-D. Schulze, W. E. S. Unger  
“NEXAFS – Spectroscopy on Plasma-polymerized Films prepared from organic Molecules (Ethylene, Allyl alcohol, Styrene)”. BESSY Year book **2003**, 297.
- S. Swaraj, U. Oran, A. Lippitz, W. E. S. Unger  
NEXAFS - spectroscopy on plasma-polymerized films prepared from organic molecules (Acrylic acid, allylamine, ethylene), BESSY Year book **2004**  
<http://www.bessy.de/publicRelations/publications/files/AnnualReport2004.pdf>.