

International Workshop on
**Pattern Formation through Instabilities in Thin Liquid Films:
 From Fundamental Aspects to Applications**

September 21 - 28, 2004

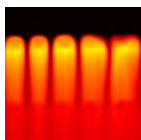
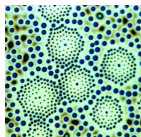
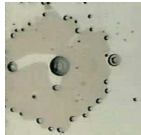
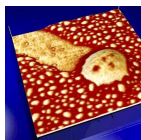
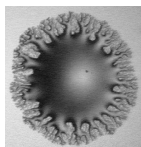
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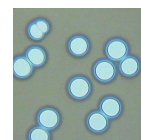
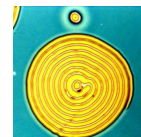
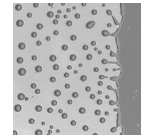
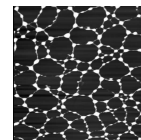
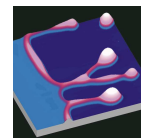
Organisation: **Katrin Lantsch** MPIPKS Dresden



The scope of the workshop is to discuss recent developments and future directions in the investigation and application of pattern formation through instabilities in driven and non-driven thin films of soft matter. The acting mechanisms are already intricate for films of simple liquids on horizontal substrates without additional driving forces. However, they become more involved for complex or reactive liquids, for multilayer systems, for patterned substrates or in driven systems.

The workshop aims at bringing together researchers working on different problems like dynamics and morphology of dewetting, instabilities of moving liquid fronts, surface instabilities of heated or falling films, patterning on heterogeneous substrates, or the interaction of wetting and chemical reactions. Thereby, the contributions shall cover the range from basic experimental and theoretical work to applications from engineering to biology. The individual fields shall be discussed, with a special emphasis on common properties and differences to foster the transfer of methods, techniques and results between the different fields.

The images are published by courtesy of A.-M. Cazabat, K. Jacobs, R. Magerle, M. Mertig, G. Reiter, H. Riegler, E. Schäffer, B. Scheid



Invited speakers:

S. G. Bankoff, M. Bär, M. Bestehorn, F. Brochard-Wyart, A.-M. Cazabat, H.-C. Chang, S. H. Davis, E. Demekhin, S. Dietrich, A. A. Golovin, G. Grün, K. Jacobs, O. A. Kabov, S. Kalliadasis, E. Knobloch, L. Kondic, G. Krausch, L. Limat, R. Lipowsky, S. G. Lipson, R. Magerle, A. Mikhailov, A. Oron, L. Pismen, Y. Pomeau, D. Queré, H. Raszillier, H. Riegler, M. F. Schatz, L. W. Schwartz, A. Sharma, S. Slavtchev, U. Steiner, S. M. Troian

Application forms can be filled in online on the conference's webpage. The deadline for applications is May 31, 2004. The registration fee is 100 Euro. Costs for accommodation and meals will be covered by the Max Planck Institute for the Physics of Complex Systems. In exceptional cases, limited funding is available to partly cover travel expenses.



For further information please contact:

Visitors Program

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