

## Conclusion and Outlook

This book continued the enterprise of its predecessor – to give an interdisciplinary overview on the theory and application of Nonequilibrium Green's functions. Although the first meeting, 1999 in Rostock, Germany, was not intended as the start of a series, its participants requested a second workshop to be held. The excellent papers in the present book which emerged from the 2002 conference proof that this subject remains hot.

There remains broad interest in a continuation of such research workshops. Their main subject will continue to be issues of quantum transport in condensed matter, plasmas, nuclear matter and high-energy systems, possibly complemented by new applications. The central method will continue to be Nonequilibrium Green's functions, but as was the case already at the 2002 workshop, other methods will have to be discussed as well. Of particular interest will be combinations of approaches with the aim to extend the theory to new more complex applications. Thus, the next workshop, tentatively entitled

### **Progress in Nonequilibrium Green's Functions III**

will be held August 22–26 2005\*

So, please, mark these days in your calendar and pass the news to interested colleagues.<sup>†</sup>

For updates, please, check the conference web page at <http://voyager.physik2.uni-rostock.de/plasmen/mich/pngf3.html>.

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\*No decision on the location has been made yet. Any suggestions in addition to the already existing ones (Germany, Scotland, New York, and, for those who want more water excitement, a boat tour on the Wolga river) are welcome.

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