

Preface

This was the third in a series of recently established workshops on both experimental and theoretical aspects of thermophysical behavior of matter in the millisecond to picosecond time regimes.¹ It included both rapid resistive heating (volume) and laser heating (surface) techniques. The emphasis was on measurements at very high temperatures. In this region, pulse-heating techniques are applied for thermophysical property determinations and provide a valid approach to study the behavior of matter under conditions near and far from thermodynamic equilibrium.

The Workshop on Subsecond Thermophysics has become an important event for the international thermophysics community; more than 50 contributions were received. After review by the International Scientific Committee, 46 papers were accepted for presentation. Due to the time limitation of a 2-day workshop, the accepted contributions were divided into oral and poster presentations. Finally, the Workshop consisted of 6 oral sessions with 26 contributions and 1 poster session with 14 contributions.

The geographic location of Graz and the special efforts made by the Local Organizing Committee were instrumental in bringing together scientists from both eastern and western countries. A total of 55 scientists attended the Workshop, with the following breakdown by countries: Austria (13), Russia (11), Germany (9), the United States (7), Italy (5), France (2), Japan (2), Canada (1), Czechoslovakia (1), Poland (1), the United Kingdom (1) and Usbekistan (1).

I believe that the attendees had an enjoyable stay in Graz and benefited from fruitful discussions in the stimulating atmosphere of a small group of interested peoples.

This Special Proceedings Issue of the *International Journal of Thermophysics* contains 24 of the papers that were presented at the Workshop.

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The Fourth Workshop on Subsecond Thermophysics is scheduled to take place at Deutsche Forschungsanstalt für Luft- und Raumfahrt, DLR (Institute for Space Simulation) in Köln, Germany, September 1995 (Chairman, I. Egry).

Gernot Pottlacher

Chairman of the Third Workshop on Subsecond Thermophysics