

Michaela Kozlová
Jaroslav Nejdrl *Editors*

X-Ray Lasers 2018

Proceedings of the 16th International
Conference on X-Ray Lasers

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Michaela Kozlová · Jaroslav Nejd
Editors

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Preface

This volume comprises papers presented at the 16th International Conference on X-Ray Lasers (ICXRL 2018) held at Café Louvre in Prague, Czech Republic, between October 7 and 12, 2018. This conference was the 16th in a series of biannual meetings that were held all over the world, starting with a meeting in Aussois, France, in 1986. The meeting was organized in the Czech Republic for the first time and gave, in oral and poster sessions, a broad review of the activities in the field of both coherent and incoherent X-ray sources and their scientific applications. The conference program was organized to promote closer contacts and better understanding between different subfields including plasma-based X-ray lasers, high-order harmonic generation, X-ray optics, imaging and metrology, and various applications.

The meeting brought 90 attendees from 10 countries in the world. The scientific schedule of the conference was supplemented by a social program, including a trip to Kutná Hora, a medieval town that was called the jewel and the treasury of the country. The conference dinner was held in the Nebozizek Restaurant located on the slope of Petřín Hill with marvelous views on the historical part of Prague.

For the first time, the Pierre Jaeglé prize for the best student contribution was awarded, which helped to strongly involve the young generation and boosted the intensity of discussions during the poster session. The prize was awarded to Malte Vassholz from the Institute for X-Ray Physics, University of Göttingen.

We would like to thank the members of the International Advisory Board of the Conference for their help in organizing the scientific program. There were also many local people, who contributed to the successful organization of the conference. We are not able to list all of them, but we would like to express our special thanks to Romana Kočová, Radka Alexa, Uddhab Chaulagain, Karel Boháček, and Ondřej Hort.

Finally, we are grateful to the conference attendees and contributors for their willingness to participate in the conference and finally to contribute to this book.

Prague, Czech Republic

Jaroslav Nejdřil
Michaela Kozlová

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