# Contents

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>v</td>
<td>Authors</td>
</tr>
<tr>
<td>vii</td>
<td>Conference Committee</td>
</tr>
<tr>
<td>ix</td>
<td>Introduction</td>
</tr>
</tbody>
</table>

## MULTILAYERS

|   |   |
| 10386 03 | Double multilayer monochromators for upgraded ESRF beamlines [10386-2] |
| 10386 04 | Laterally graded multilayer as x-ray mirror for the laser-induced plasma x-ray sources [10386-3] |
| 10386 05 | Fabrication and characterization of W/B$_4$C lamellar multilayer grating and NbC/Si multilayer phase-shift reflector [10386-4] |
| 10386 07 | Full size x-ray grating fabrication using large area nanoimprint [10386-6] |

## FOCUSING

|   |   |
| 10386 08 | Ultra-high-aspect multilayer zone plates for even higher x-ray energies [10386-7] |
| 10386 09 | Optical design of a sub-1-µm focusing system for soft x-ray free electron lasers [10386-8] |
| 10386 0A | Aberration correction for hard x-ray focusing at the nanoscale [10386-9] |
| 10386 0B | Refractive optics to compensate x-ray mirror shape-errors [10386-10] |

## MIRRORS

|   |   |
| 10386 0C | Development of concave-convex imaging mirror system for a compact and achromatic full-field x-ray microscope [10386-12] |
| 10386 0D | Advances toward submicron resolution optics for x-ray instrumentation and applications [10386-13] |
| 10386 0E | Development of precision Wolter mirrors for solar x-ray observations [10386-11] |

## CRYSTALS

|   |   |
| 10386 0M | Application of MEMS-based x-ray optics as tuneable nanosecond choppers [10386-21] |
### GRATINGS

| 10386 0Q | Nanofabrication of free-standing spectroscopic photon sieves operating in soft x-ray region [10386-25] |
| 10386 0R | Soft x-ray grating compressors for free-electron-laser pulses [10386-26] |

### POSTER SESSION

| 10386 0S | High-aspect ratio zone plate fabrication for hard x-ray nanoimaging [10386-27] |
| 10386 0V | Thickness uniformity study on the ESRF multilayer deposition system [10386-30] |
| 10386 0Z | Micromirror-based manipulation of synchrotron x-ray beams [10386-34] |
Authors

Numbers in the index correspond to the last two digits of the seven-digit citation identifier (CID) article numbering system used in Proceedings of SPIE. The first five digits reflect the volume number. Base 36 numbering is employed for the last two digits and indicates the order of articles within the volume. Numbers start with 00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 0A, 0B...0Z, followed by 10-1Z, 20-2Z, etc.

Akan, Rabia, 0S
Bhartiya, S., 05
Boesenberg, Ulrike, 0A
Cao, Leifeng, 0M, 0Z
Chen, Sharon, 0D
Cheng, Jinming, 04
Cheng, Xianchao, 04
Cordier, Mark, 0D
Dhamgaye, Vishal, 0B
Dhawan, R., 05
Eberl, Christian, 0B
Fabris, Nicola, 0R
Falkenberg, Gerald, 0A
Frassetto, Fabio, 0R
Gallier, Eric C., 0A
Gao, Ya, 0M
Garrevoet, Jan, 0A
Giakoumidis, Stylianos, 0A, 0S
Gome, A., 05
Goto, Takumi, 0E
Hashizume, Hirokazu, 0E
Ishikawa, Shin-nosuke, 0E
Ishikawa, Tetsuya, 0C
Jung, Il Woong, 0M, 0Z
Kime, Ayumi, 0E
Kohmura, Yoshiki, 0C, 0E
Koyama, Takahisa, 09
Krebs, Hans-Ulrich, 0B
Lau, S. H., 0D
Laundy, David, 0B
Lee, Hae Ja, 0A
Lewis, Sylvia J. Y., 0D
Li, Hailiang, 0Q
Li, Zhilong, 0M
Liu, Dongbing, 04
Lopez, Daniel, 0M, 0Z
Lum, P., 07
Lyon, Alan, 0D
Maegawa, Tadakazu, 0E
Majhi, A., 0S
Matsuyama, Satoshi, 0C, 0E
Mimura, Hidekazu, 09
Miatt, Paolo, 0R
Miyake, Akira, 0E
Morawe, Christian, 03, 0V
Motoyama, Hiroto, 09
Mu, Jian, 04
Nagler, Bob, 0A
Narukage, Noriyuki, 0E
Nayak, M., 05
Nolte, Stefan, 0A
Ohashi, Haruhiko, 09
Osterhoff, Markus, 0B
Owada, Shigeki, 09
Padmore, H. A., 07
Pape, Ian, 0B
Parfeniukas, Karolis, 0A, 0S
Peffen, Jean-Christophe, 03, 0V
Poletto, Luca, 0R
Pradhan, P. C., 05
Rahomäki, Jussi, 0A
Rai, S. K., 05
Rau, Christoph, 0A
Reddy, V. R., 05
Reynolds, David, 0D
Rödel, Christian, 0A
Sahoo, P. K., 05
Sakao, Taro, 0E
Sano, Yasuhisa, 0C
Sawhney, Kawal, 0B
Scholz, Maria, 0A
Schroer, Christian G., 0A
Schröpp, Andreas, 0A
Schwartz, C. P., 0Z
Seiboth, Frank, 0A
Semenov, Vladimir A., 0D
Seshadri, Sivatsan, 0D
Shenoy, Gopal K., 0M, 0Z
Singh, A., 05
Soltau, Jakob, 08
Spink, Richard I., 0D
Stripke, Benjamin, 0D
Suematsu, Yoshinori, 0E
Tan, Bozhong, 04
Tono, Kensuke, 09
Turchni, Stefano, 0R
Ullisperger, Tobias, 0A
Vogl, Ulrich, 0A, 0S
Voronov, D. L., 07
Wagner, Ulrich, 0A
Walko, Donald A., 0M, 0Z
Wang, Jin, 0M, 0Z
Wei, Lai, 0Q
Wünsche, Martin, 0A
Xie, Changqing, 0Q
Yabashi, Makina, 09, 0C
Yamada, Jumpei, 0C, 0E
Yamauchi, Kazuto, 0C, 0E
Yang, Qingguo, 04
Yasuda, Shuhei, 0C, 0E
Yun, Wenbing, 0D
Zhu, Xiaoli, 0Q
Zuppella, Paola, 0R
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Introduction

This volume contains papers presented at the conference on Advances in X-Ray/EUV Optics and Components XII, held 8–9 August 2017 in San Diego, California, USA, as part of the 2017 SPIE Optics + Photonics symposium.

The conference was composed of seven oral sessions: Multilayers, Focusing, Mirrors, Beamlines and Facilities, Opto-Thermomechanics, Crystals, and Gratings. The focus of the conference was on technological developments in X-ray/EUV optics, covering a wide spectral range. Topics related to metrology, laboratory-based x-ray sources, computational methods for x-ray optics, and x-ray nanoimaging were presented in independent conferences at the same symposium.

Scheduled for one and half days of oral presentations, and accompanied by an evening poster session, the conference highlighted recent developments in the field and stimulated lively discussions among participants.

We would like to thank the authors, speakers, session chairs, programme committee members, and the conference participants for their contributions, and the SPIE staff for their help in the organization of the conference.

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