Front Matter: Volume 10689


Event: SPIE Photonics Europe, 2018, Strasbourg, France
Neuro-inspired Photonic Computing

Marc Sciamanna
Peter Bienstman
Editors

23 April 2018
Strasbourg, France

Sponsored by
SPIE

Cosponsored by
Strasbourg the Eurooptimist (France)
CNRS (France)
Investissements d’Avenir (France)
iCube (France)
Université de Strasbourg (France)

Cooperating Organisations
Photonics 21 (Germany)
EOS—European Optical Society (Germany)
Photonics Public Private Partnership (Belgium)
Comité National d’Optique et de Photonique (France)

Published by
SPIE

Volume 10689
**Contents**

<table>
<thead>
<tr>
<th>SESSION 1 SCALABILITY OF PHOTONIC COMPUTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>10689 03 Towards integrated parallel photonic reservoir computing based on frequency multiplexing [10689-2]</td>
</tr>
<tr>
<td>10689 04 Towards high-performance spatially parallel optical reservoir computing [10689-3]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SESSION 2 IMPROVED PERFORMANCES OF OPTICAL RESERVOIR COMPUTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>10689 05 Reservoir computing with delay in structured networks (Invited Paper) [10689-4]</td>
</tr>
<tr>
<td>10689 07 Integrated dielectric scatterers for fast optical classification of biological cells [10689-6]</td>
</tr>
<tr>
<td>10689 08 Toward neuro-inspired computing using a small network of micro-ring resonators on an integrated photonic chip [10689-7]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SESSION 3 LASER DYNAMICS AND RESERVOIR COMPUTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>10689 08 Dual-mode semiconductor lasers in reservoir computing [10689-10]</td>
</tr>
</tbody>
</table>

**POSTER SESSION**

| 10689 0C Design and simulation of optoelectronic neuron equivalentors as hardware accelerators of self-learning equivalent convolutional neural structures (SLECNS) [10689-11] |
Author Index

Numbers in the index correspond to the last two digits of the six-digit citation identifier (CID) article numbering system used in Proceedings of SPIE. The first four 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.

Bente, Erwin, 03
Bienstman, Peter, 07, 08
Bouwens, Arno, 04
Dambre, Joni, 07, 08
Denis-le Coarer, Florian, 08
Dimitriadou, Evangelia, 03
Freiberger, Matthias, 08
Haelterman, Marc, 03, 04
Harkhoe, Krishan, 08
Kassa, Wosen, 03
Katumba, Andrew, 08
Krasilenko, Vladimir G., 0C
Lazarev, Alexander A., 0C
Lüdge, Kathy, 05
Lugnan, Alessio, 07
Massar, Serge, 03, 04
Nikitovich, Diana V., 0C
Pauwels, Jaël, 04
Röhm, André, 05
Rontani, Damien, 08
Sciamanna, Marc, 08
Van der Sande, Guy, 04, 0B
Conference Committee

Symposium Chairs

Francis Berghmans, Vrije Universiteit Brussel (Belgium)
Thierry Georges, Oxxius SA (France)
Harald Giessen, Universität Stuttgart (Germany)
Paul Montgomery, Université de Strasbourg (France)

Conference Chairs

Marc Sciamanna, CentraleSupélec (France)
Peter Bienstman, Universiteit Gent (Belgium)