

Publications

1. Beličev P. P., Gligorić G., **Radosavljević A.**, Maluckov A., Stepić M., Vicencio R. A., Johansson M.: Localized modes in nonlinear binary kagome ribbons,- *Physical Review E*, vol. 92, no. 5, pp. 052916 (1-11), 2015.
<http://journals.aps.org/pre/abstract/10.1103/PhysRevE.92.052916>
2. **Radosavljević, A.**, Daničić, A., Petrovic, J., Maluckov, A., Hadžievski Lj.: Coherent light propagation through multi-core optical fibers with linearly coupled cores,- *Journal of Optical Society of America B*, vol. 32, no. 12, pp. 2520-2527, 2015.
<https://www.osapublishing.org/josab/abstract.cfm?uri=josab-32-12-2520>
3. **Radosavljević, A.**, Gligorić, G., Maluckov, A., Stepić, M.: Manipulation of light beam propagation in one-dimensional photonic lattices with linear refractive index profile,- *Optics Communications*, vol. 335, no. 2, pp. 194-198, 2015.
<http://www.sciencedirect.com/science/article/pii/S0030401814008645>
4. Kuzmanović, S., Stojanović-Krasić, M., Milović, D., Miletić M., **Radosavljević, A.**, Gligorić, G., Maluckov, A., Stepić, M.: Light propagation inside ‘cavity’ formed between nonlinear defect and interface of two dissimilar one-dimensional linear photonic lattices,- *The European Physical Journal D*, vol. 69, no. 9, pp. 207(1-8), 2015.
<http://link.springer.com/article/10.1140%2Fepjd%2Fe2015-60243-0>
5. Kuzmanović, S., Stojanović-Krasić, M., Milović, D., **Radosavljević, A.**, Gligorić, G., Maluckov, A., Stepić, M.: Defect induced wave-packet dynamics in linear one-dimensional photonic lattices,- *Physica Scripta*, vol. 90, no. 2, pp. 025505-025511, 2015.
<http://iopscience.iop.org/article/10.1088/0031-8949/90/2/025505/meta>
6. **Radosavljević, A.**, Radovanović, J., Milanović, V.: “Optimization of cubic GaN/AlGaIn based quantum wells for application to tunable mid-infrared photodetectors,” - *Optical and Quantum electronics*, vol. 47, pp. 865-872, 2015.
<http://link.springer.com/article/10.1007/s11082-014-0016-y>
7. **Radosavljević, A.**, Gligorić, G., Maluckov, A., Stepić, M.: Control of light propagation in one-dimensional quasi-periodic nonlinear photonic lattices,- *Journal of Optics*, vol. 16, no. 2, pp. 025201-025209, 2014.
<http://iopscience.iop.org/article/10.1088/2040-8978/16/2/025201>
8. **Radosavljević, A.**, Radovanović, J., Milanović, V.: Optimization of cubic GaN/AlGaIn quantum well-based structures for intersubband absorption in the infrared spectral range, - *Solid State Communications*, vol. 182, pp. 38-42, 2014.

<http://www.sciencedirect.com/science/article/pii/S0038109813005644>

9. **Radosavljević, A.**, Gligorić, G., Maluckov, A., Stepić, M., Milović, D.: Light propagation management by disorder and nonlinearity in one-dimensional photonic lattices,- *Journal of Optical Society of America B*, vol. 30, no. 8, pp. 2340-2347, 2013.

<https://www.osapublishing.org/josab/abstract.cfm?uri=josab-30-8-2340>

Doctoral dissertation

„*Light propagation in complex systems of coupled waveguides*“, Group for nanoelectronics and photonics, School of electrical engineering, University of Belgrade, 2015.

http://www.etf.bg.ac.rs/etf_files/javni_uvid/izvestaji/doktorske/2015/Ana%20Radosavljevic%20Disertacija.pdf

Conferences

1. **Radosavljević, A.**, Gligorić, G., Maluckov, A., Stepić, M.: “Light propagation management in complex photonic lattices”- *Spatiotemporal complexity in nonlinear optics*, Lake Como School of Advances Studies, 31 August - 4 September 2015, Como, Italy, IEEE Conference Publications pp. 1-3.

http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=7324040&abstractAccess=no&userType=inst

2. **Radosavljević, A.**, Radovanović, J., Milanović, V.: “Optimization of planar nanostructures based on cubic GaN/AlGaN for applications in the IR spectral range by Genetic Algorithm” - *Proceeding of 20th Telecommunication Forum (TELFOR)*, Beograd, pp. 1123 - 1126, 2012.

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6419408>

3. Cvetić J., **Radosavljević A.**, Đurić R., Ponjavić M., Šumarac D., Trifković Z., Heidler F.: “The Influence of the Breakdown Electric Field in the Lightning Corona Sheath on the Dynamics of the Return Stroke” - *31st International Conference on Lightning Protection*, IEEE Conference Publications, pp. 1-4, September 2012.

http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=6344351&abstractAccess=no&userType=inst

4. **Radosavljević, A.**, Gligorić, G., Maluckov, A., Stepić, M.: "Light localization in quasi-periodic nonlinear photonic lattices", *IV International School and Conference on Photonics-Photonica2013*, Book of Abstracts, pp. 62, Belgrade, Serbia, 2013.

5. **Radosavljević, A.**, Gligorić, G.: "Light localization in quasi-periodic photonic lattices with saturable nonlinearity", *546th WE-Heraeus-Seminar: Light in disordered media*, Book of Abstracts, Bad Honnef, Germany, 2013.
6. Gligorić, G, **Radosavljević, A.**: "Management of light propagation and nonlinearity in one-dimensional photonic lattices", *546th WE-Heraeus-Seminar: Light in disordered media*, Book of Abstracts, Bad Honnef, Germany, 2013.
7. Kuzmanović, S., Stojanović-Krasić, M., Milović, D., **Radosavljević, A.**, Gligorić, G., Maluckov, A., Stepić, M.: "Light propagation in cavity formed by nonlinear defect and interface between two different linear waveguide arrays", *Advanced Photonic Congress*, Barcelona, Spain, 2014, Book of abstracts and Conference Program abstract No.: JTU3A.27, page 26.
8. **Radosavljević, A.** Daničić, A., Petrovic, J., Maluckov, A., Hadžievski, Lj.: "Directional coupler based on open and closed waveguide arrays",- *Kickoff Workshop COST Action 1403- Nanoscale Quantum Optics*, Book of Abstracts, pp. 73, Belgrade, Serbia, 2015.
9. **Radosavljević, A.**, Daničić, A., Petrovic, J., Maluckov, A., Hadžievski, Lj., Rubenchik A., Turitsyn, S.: "On high power dynamically stable vortices in multicore optical fiber",- *V International School and Conference on Photonics-Photonica2015*, Book of Abstracts, pp. 71, Belgrade, Serbia, 2015 (ISBN 978-86-7306-131-3).
10. Beličev, P. P., Gligorić, G., **Radosavljević, A.**, Maluckov, A., Stepić, M., Vicencio, R.A., Johansson, M.: "On localized modes in nonlinear binary kagome ribbons",- *V International School and Conference on Photonics-Photonica2015*, Book of Abstracts, pp. 68, Belgrade, Serbia, 2015 (ISBN 978-86-7306-131-3).
11. Radosavljević, A., Gligorić, G., Maluckov, A., Stepić, M.: "Kontrola prostiranja optičkog snopa kroz fotonske rešetke", *Sedma radionica fotonike*, Zbornik apstrakata, pp. 28, Kopaonik, Srbija, 2014.
12. Petrovic J., Radosavljević, A., Daničić A., Maluckov, A., Hadžievski Lj., Veerman Peter J.J.: " Coherent state transfer through linearly coupled optical waveguide arrays", 9th photonics workshop, Book of abstracts, pp. 28, Kopaonik, Serbia, 2016.