

**Ring Resonator Systems To Perform Optical  
Communication Enhancement Using Soliton  
(SpringerBriefs In Applied Sciences And Technology)  
By Iraj Sadegh Amiri**

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Microring Resonator Based Photonic Circuits: Chremmos and N. Uzunoglu, Reflective properties of double-ring resonator system coupled to a waveguide, IEEE [http://www.academia.edu/3030295/Microring\\_Resonator\\_Based\\_Photonic\\_Circuits\\_Analysis\\_and\\_Design](http://www.academia.edu/3030295/Microring_Resonator_Based_Photonic_Circuits_Analysis_and_Design)

Optical ring resonators consist of a waveguide in a closed loop coupled Aerospace & Electronics Systems Antennas & Propagation Communications Electron Devices <http://technav.ieee.org/tag/7754/optical-ring-resonators>

Harith (Author) Book List, Integrated Micro-Ring Photonics by Iraj Sadegh Amiri, (SpringerBriefs in Applied Sciences and Technology) by Iraj Sadegh Amiri, <http://isbn.directory/author/harith>

Mar 12, 2013 Volume 3, Issue 1 (Jan. - Feb. 2013), PP 32-39www.iosrjournals.org Long Distance Communication Us IOSR Journal of Applied Physics Technology <http://www.slideshare.net/isafiz/long-distance-communication-using-localized-optical-soliton-via-entangled-photon>

April 20, 2012 7:30pm UTC in response to Damla Ozcelik. Re: Coupling to a ring resonator. Hi Damla, I'm trying to do the same thing as you, I was wondering if you <http://www.comsol.com/community/forums/general/thread/15590/>

Iraj Sadegh Amiri Author Profile: Biography, Books and Appearance Information \* \* \*  
\* \* Iraj Sadegh Amiri Links. Wikipedia. Iraj Sadegh Amiri  
<http://www.allamericanspeakers.com/author/IrajSadeghAmiri>

Entangled photon recovery state using a fiber ring resonator Results obtained show that such a proposed system can be used to perform the  
<http://opticalengineering.spiedigitallibrary.org/article.aspx?articleid=1088899&journalid=92>

I. Sadegh Amiri and A. Afroozeh, Ring Resonator Systems to Perform Optical Communication Enhancement Using Soliton, SpringerBriefs in Applied  
[http://www.springer.com/cda/content/document/cda\\_downloaddocument/9789812871961-c2.pdf?SGWID=0-0-45-1474728-p176910802](http://www.springer.com/cda/content/document/cda_downloaddocument/9789812871961-c2.pdf?SGWID=0-0-45-1474728-p176910802)

Our ring resonator utilizes SixNy?SiO2 waveguides, which, Contact your librarian or system administrator or Login to access OSA Member Subscription. Cited By.  
<https://www.osapublishing.org/abstract.cfm?URI=OL-30-24-3344>

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American Journal of Networks and Communications in Ring Resonator Systems to Perform Optical Communication Enhancement Using Soliton,  
<http://www.sciencepublishinggroup.com/specialissue/paperinfo.aspx?journalid=132&specialissueid=132002&doi=10.11648/j.ajnc.s.2015040201.12>

We present the interesting results of nonlinear behaviors of a soliton pulse within a nonlinear micro ring resonator system, where the optical filter characteri  
<http://www.sciencedirect.com/science/article/pii/S0030402608003264>

An optical ring resonator is a set of waveguides in which at least one is a closed loop coupled assuming there are no losses in the system such as those due to  
[http://en.wikipedia.org/wiki/Optical\\_ring\\_resonators](http://en.wikipedia.org/wiki/Optical_ring_resonators)

Le t l chargement de votre SlideShare est en cours.  
<http://fr.slideshare.net/isafiz/entangled-photon-encoding-using-trapping-of-picoseconds-soliton-pulse>

Robotics & Control Systems; Potential applications of ring resonators for astronomical instrumentation Full Text Ring resonators can be used to  
[http://ieeexplore.ieee.org/xpls/abs\\_all.jsp?arnumber=6193933](http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6193933)

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DESIGN AND MODELLING OF RING RESONATORS USED AS OPTICAL FILTERS systems. The rings can be fabricated as integrated optical structures or they can be

<http://academica-e.unavarra.es/bitstream/handle/2454/2304/577294.pdf?sequence=1>

Overview of novel integrated optical ring resonator bio/chemical sensors Xudong Fan, Ian M. White, Hongying Zhu, The LCORR is a versatile system that

[http://reviews.spiedigitallibrary.org/data/Conferences/SPIEP/10226/64520M\\_1.pdf](http://reviews.spiedigitallibrary.org/data/Conferences/SPIEP/10226/64520M_1.pdf)

All-Fiber Ring Resonator The main error sources of optical system are lineshape of discriminates which can be used to lock the ring and perform open

[http://iopscience.iop.org/0256-307X/12/4/007/pdf/cpl\\_12\\_4\\_007.pdf](http://iopscience.iop.org/0256-307X/12/4/007/pdf/cpl_12_4_007.pdf)

Ring Resonator Systems to Perform Optical Communication Enhancement Using Soliton.

Authors: Sadegh Amiri, Iraj, Afroozeh, Abdolkarim

<http://www.springer.com/us/book/9789812871961>

Information and Communication Technology, Iraj Sadegh Amiri\* 1, Chaotic soliton can be generated using a nonlinear PANDA ring resonator system.

<http://www.lifesciencesite.com/ljsj/life1009s/>

Novel microwave photonic fractional Hilbert transformer using a create various system-level where ring resonators are employed to perform phase

<http://www.ncbi.nlm.nih.gov/pubmed/23187505>

Long-Term Warranty and After-Sales Service Concept, Policies and Cost Models Anisur Rahman, Gopinath Chattopadhyay This volume presents concepts, policies and cost

<http://www.lovereading.co.uk/series/SpringerBriefs%20in%20Applied%20Sciences%20and%20Technology>

A ring resonator system may be composed of one or two bus waveguides and a ring placed very close to them as shown in figure 4. There are several figures of merit

[http://iopscience.iop.org/0960-1317/14/3/009/pdf/jmm4\\_3\\_009.pdf](http://iopscience.iop.org/0960-1317/14/3/009/pdf/jmm4_3_009.pdf)