

April 2012

# Tracking Faculty Publications

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Tracking Faculty Publications for  
**SURface**  
(and other uses)

Anne Rauh & Linda Galloway

RCSC Unit Meeting

April 19, 2012

# Tracking process

- Email alerts
- Organize in citation management tool
- Check copyright
- Contact faculty
- Send summary to Assistant Dean for External Relations
- Upload to SURface (hopefully!)

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## 1. Generation of a wide-band response using early-time and middle-frequency data through the Laguerre functions

[Lee, W.](#) (Department of Electrical Engineering and Computer Science, Syracuse University, Syracuse, NY, United States);

[Sarkar, T.K.](#); [Koh, J.](#); [Moon, H.](#); [Salazar-Palma, M.](#) **Source:** *Progress in Electromagnetics Research Letters*, v 30, p 115-123, 2012

**Database:** Compendex

[Abstract](#) - [Detailed](#)

# Email alerts from Web of Knowledge

Web of Knowledge Search Alert	
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<b>Alert Expires:</b> 30 JUL 2012	
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<b>Title:</b> Foliar Nitrogen Responses to the Environmental Gradient Matrix of the Adirondack Park, New York	
<b>Authors:</b> McNeil, BE; Read, JM; Driscoll, CT	
<b>Author Full Names:</b> McNeil, Brenden E.; Read, Jane M.; Driscoll, Charles T.	
<b>Source:</b> ANNALS OF THE ASSOCIATION OF AMERICAN GEOGRAPHERS, 102 (1):1-16; 10.1080/00045608.2011.595654 2012	
<b>Language:</b> English	
<b>Document Type:</b> Article	
<b>Author Keywords:</b> environmental gradients; foliar nitrogen; GIS; temperate forest; wilderness	
<b>KeyWords Plus:</b> TEMPERATE FOREST ECOSYSTEMS; NORTHERN HARDWOOD FORESTS; LAND-USE HISTORY; CANOPY NITROGEN; IMAGING SPECTROSCOPY; DEPOSITION GRADIENT; CATSKILL MOUNTAINS; UNITED-STATES; SOIL CARBON; CHEMISTRY	



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## A Unified Framework for Key Agreement Over Wireless Fading Channels

Author(s): Lai, LF (Lai, Lifeng)<sup>1</sup>; Liang, YB (Liang, Yingbin)<sup>2</sup>; Poor, HV (Poor, H. Vincent)<sup>3</sup>

Source: IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY Volume: 7 Issue: 2 Pages: 480-490 DOI: 10.1109/TIFS.2011.2180527 Published: APR 2012

Times Cited: 0 (from Web of Science)

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**Abstract:** The problem of key generation over wireless fading channels is investigated. First, a joint source-channel approach that combines existing source and channel models for key agreement over wireless fading channels is developed. It is shown that, in general, to fully exploit the resources provided by time-varying channel gains, one needs to combine both the channel model, in which Alice sends a key to Bob over a wireless channel, and the source model, in which Alice and Bob generate a key by exploiting the correlated observations obtained from the wireless fading channel. Asymptotic analyses suggest that in the long coherence time regime, the channel model is asymptotically optimal. On the other hand, in the high power regime, the source model is asymptotically optimal. Second, the framework is extended to the scenario with an active attacker. Assuming that the goal of the attacker is to minimize the key rate that can be generated using the proposed protocol and the attacker will employ such an attack strategy, the attacker's optimal attack strategy is identified and the key rate under this attack model is characterized.

Accession Number: [WOS:000301506500012](#)

Document Type: Article

Language: English

**Author Keywords:** Active security attack; information theoretic security; key generation; key rate; optimal attack strategy

**KeyWords Plus:** UNAUTHENTICATED PUBLIC CHANNELS; WIRETAP CHANNEL; SECURE TRANSMISSION; COMMON RANDOMNESS; PART II; CAPACITY; SECRECY

**Reprint Address:** Lai, LF (reprint author), Univ Arkansas, Dept Syst Engr, Little Rock, AR 72204 USA

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**E-mail Address:** [lxlai@ualr.edu](mailto:lxlai@ualr.edu), [yliang06@syr.edu](mailto:yliang06@syr.edu), [poor@princeton.edu](mailto:poor@princeton.edu)

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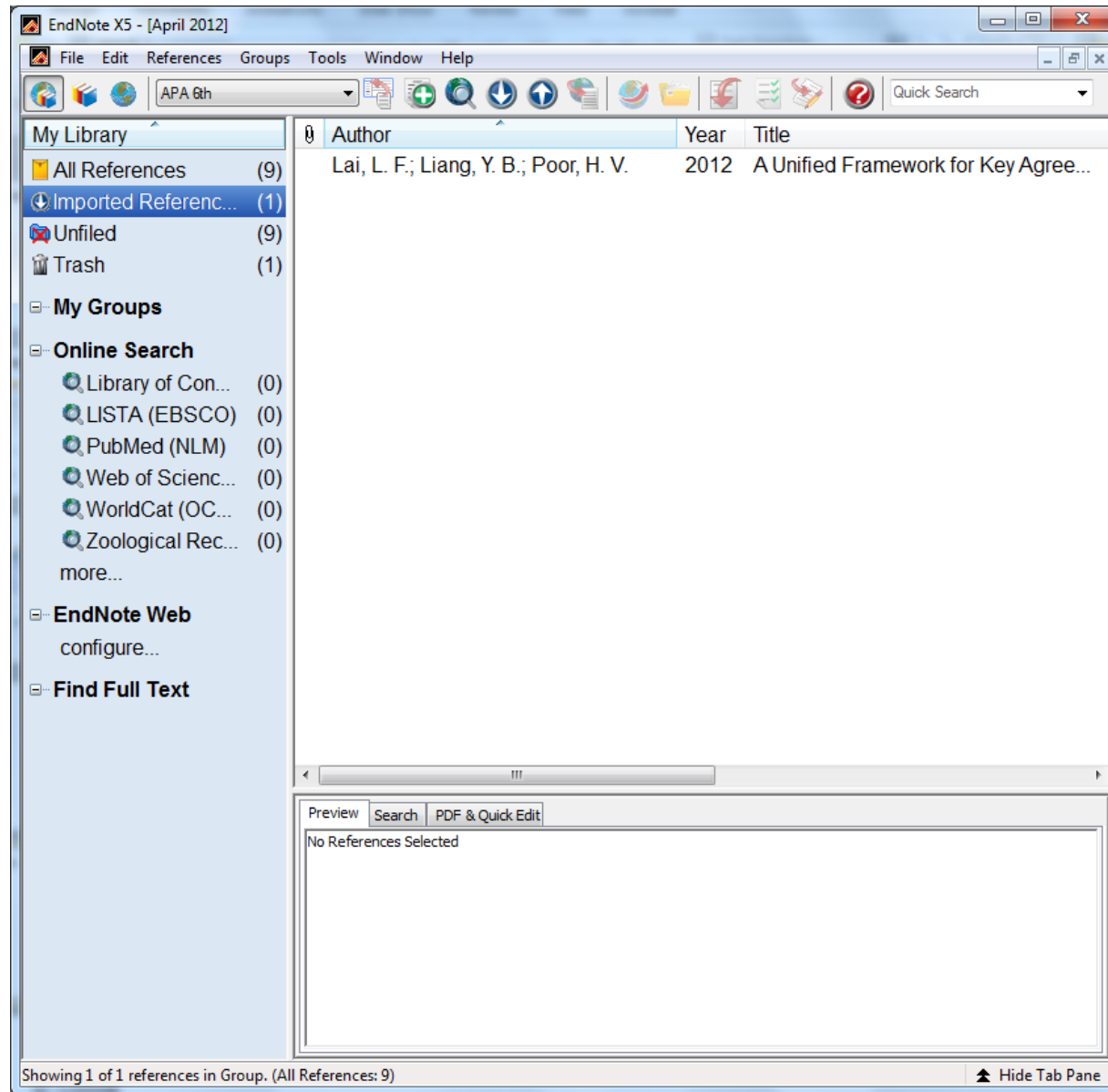
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Author	Year	Title
Ausseau, Julie; Pinier, Jeremy; Glau...	2007	Estimation techniques in a turbulent fl...
Lai, Lifeng; Liang, Yingbin; Poor, H....	2012	A unified framework for key agreeme...
Lai, L. F.; Liang, Y. B.; Poor, H. V.	2012	A Unified Framework for Key Agree...
Lee, W.; Sarkar, T. K.; Koh, J.; Moo...	2012	Generation of a wide-band response...
Pinier, Jeremy; Glauser, Mark	2007	Dual-time PIV investigation of the so...
Salazar-Palma, M.; Garcia-Lamper...	2011	The Father of Radio: A Brief Chronol...
Wimalajeewa, T.; Varshney, P. K.	2012	Performance Bounds for Sparsity Pa...
Yan, Lok-Kwong; Jayachandra, Ma...	2012	V2E: Combining hardware virtualizati...
Yang, Yang; Lui, Eric M.	2012	Behavior and design of steel I-beam...

Showing 9 of 9 references.

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Preview Search PDF & Quick Edit

Lai, L. F., Liang, Y. B., & Poor, H. V. (2012). A Unified Framework for Key Agreement Over Wireless Fading Channels. [Article]. *Ieee Transactions on Information Forensics and Security*, 7(2), 480-490. doi: 10.1109/tifs.2011.2180527

# Remove duplicates

The screenshot shows the EndNote X5 software interface. The main window displays a list of references in a table format. The table has columns for Author, Year, and Title. One reference is highlighted in blue: "Lai, L. F.; Liang, Y. B.; Poor, H. V. 2012 A Unified Framework for Key Agree...". The left sidebar shows the library structure, including "My Library", "All References (8)", "Imported Referenc... (1)", "Unfiled (8)", "Trash (2)", "My Groups", "Online Search", "EndNote Web", and "Find Full Text". The bottom status bar indicates "Showing 8 of 8 references." and "Hide Tab Pane".

Author	Year	Title
Ausseau, Julie; Pinier, Jeremy; Glau...	2007	Estimation techniques in a turbulent fl...
Lai, L. F.; Liang, Y. B.; Poor, H. V.	2012	A Unified Framework for Key Agree...
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Preview Search PDF & Quick Edit

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# Check titles in SHERPA/RoMEO

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One journal found when searched for: **ieee antennas and propagation magazine**

Journal:	<b>IEEE Antennas and Propagation Magazine</b> (ISSN: 1045-9243)
RoMEO:	This is a <b>RoMEO green</b> journal
Author's Pre-print:	✓ author can archive pre-print (ie pre-refereeing)
Author's Post-print:	✓ author can archive post-print (ie final draft post-refereeing)
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General Conditions:	<ul style="list-style-type: none"><li>• Authors own and employers publicly accessible webpages</li><li>• Preprint - Must be removed upon publication of final version and replaced with either full citation to IEEE work with a Digital Object Identifier or link to article abstract in IEEE Xplore or Authors post-print</li><li>• Preprint - Set phrase must be added once submitted to IEEE for publication ("This work has been submitted to the IEEE for possible publication. Copyright may be transferred without notice, after which this version may no longer be accessible")</li><li>• Preprint - Set phrase must be added when accepted by IEEE for publication ("(c) 20xx IEEE. Personal use of this material is permitted. Permission from IEEE must be obtained for all other users, including reprinting/ republishing this material for advertising or promotional purposes, creating new collective works for resale or redistribution to servers or lists, or reuse of any copyrighted components of this work in other works.")</li><li>• Preprint - IEEE must be informed as to the electronic address of the pre-print</li><li>• Postprint - Publisher copyright and source must be acknowledged (see above set statement)</li><li>• Publisher's version/PDF cannot be used</li><li>• Publisher copyright and source must be acknowledged</li></ul>
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# When allowed, email author

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Congratulations on your recent publication:

*Reddi, K. R., & Moon, Y. B. (2011). System dynamics modeling of engineering change management in a collaborative environment. International Journal of Advanced Manufacturing Technology, 55(9-12), 1225-1239. doi: 10.1007/s00170-010-3143-z*

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If you are interested in contributing your work, I can deposit the article for you or give you instructions for depositing it yourself.

Thank you,  
Annie

# Monthly summary of publications

Author	Year	Title	Source	Volume	Issue	Pages	DOI
Julie Ausseur;Jeremy Pinier;Mark Glauser	2007	Estimation techniques in a turbulent flow field	11th EUROMECH European Turbulence Conference, ETC11, June 25, 2007 - June 28, 2007			650-652	
L. F. Lai;Y. B. Liang;H. V. Poor	2012	A Unified Framework for Key Agreement Over Wireless Fading Channels	Ieee Transactions on Information Forensics and Security	7		480-2490	10.1109/tifs.2011.2180527
W. Lee;T. K. Sarkar;J. Koh;H. Moon;M. Salazar-Palma	2012	Generation of a wide-band response using early-time and middle-frequency data through the Laguerre functions	Progress in Electromagnetics Research Letters	30		115-123	
Jeremy Pinier;Mark Glauser	2007	Dual-time PIV investigation of the sound producing region of the controlled and uncontrolled high-speed jet	11th EUROMECH European Turbulence Conference, ETC11, June 25, 2007 - June 28, 2007			392-394	
M. Salazar-Palma;A. Garcia-Lamperez;T. K. Sarkar;D. L. Sengupta	2011	The Father of Radio: A Brief Chronology of the Origin and Development of Wireless Communications	Ieee Antennas and Propagation Magazine	53		83-6114	10.1109/map.2011.6157716
T. Wimalajeewa;P. K. Varshney	2012	Performance Bounds for Sparsity Pattern Recovery With Quantized Noisy Random Projections	Ieee Journal of Selected Topics in Signal Processing	6		143-57	10.1109/jstsp.2011.2175700
Lok-Kwong Yan;Manjukumar Jayachandra;Mu Zhang;Heng Yin	2012	V2E: Combining hardware virtualization and software emulation for transparent and extensible malware analysis	8th ACM SIGPLAN/SIGOPS Conference on Virtual Execution Environments, VEE'12, March 3, 2012 - March 4, 2012			227-237	10.1145/2151024.2151053
Yang Yang;Eric M. Lui	2012	Behavior and design of steel I-beams with inclined stiffeners	Steel and Composite Structures	12		183-3205	

# How many publications

March 2012	
Total LC Smith Faculty Publications	21
Requested for SURface	10
Added to SURface	3

# How much time does this take

Time Spent	
Set up alerts, EndNote export style, email template	15 hours total
Adding citations to EndNote	20 minutes per week
Removing duplicates, check copyright, emails to faculty and deans	1 hour per month
Uploading to SURface	1 hour per month