Georgiy **Syunyaev**

PhD Candidate · Political Science

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Education

Political Science Department, Columbia University   *New York, NY, United States*
Doctor of Philosophy   *Sep. 2014 - PRESENT*

LAAISC (CInSt), NRU Higher School of Economics   *Moscow, Russian Federation*
Candidate of Sciences   *Nov. 2011 - Nov. 2014*
- Thesis Topic: *Taming the (not so) Stationary Bandit: Property Rights and Political Competition in Non-democratic Setting*
- Candidacy Program: *Theoretical Economics*
- Advisor: Professor Leonid I. Polishchuk

Department of Economics, NRU Higher School of Economics   *Moscow, Russian Federation*
Master of Economics   *Sep. 2009 - Jul. 2011*
- Thesis Topic: *Property Rights and Political Competition: Economic Analysis*
- Area of Study: *Political Economy, Endogenous Property Rights, Institutional Economics*
- Advisor: Professor Leonid I. Polishchuk

Department of Economics, NRU Higher School of Economics   *Moscow, Russian Federation*
Bachelor of Economics   *Sep. 2005 - Jul. 2009*
- Concentration: *Risk-management* (with emphasis on stochastic methods of actuarial analysis)

Publications

Investment Climate and Turnover of Power in Russian Regions   *Voprosy Ekonomiki* (in Russian)
G. Syunyaev, L. Polishchuk   *Vol. 2, pp. 88–117, 2014*

Ruling Elites' Rotation and Asset Ownership: Implications for Property Rights   *Public Choice*
L. Polishchuk, G. Syunyaev   *Vol. 162(1), pp. 159–182, 2015*

Measuring Institutional Quality Across Russian Regions   *Voprosy Ekonomiki* (in Russian)
L. Polishchuk, A. Baranov, E. Malkov, M. Rochlitz, G. Syunyaev   *Vol. 2, pp. 69–103, 2015*

Property Rights without Democracy: The Role of Elites' Rotation and Asset Ownership   *Book Chapter*
L. Polishchuk, G. Syunyaev
- In *C. Dahlstrom et al. (eds.), Elites, Institutions and the Quality of Government, Palgrave Macmillan, 2015*

Conferences

Taming the (not so) Stationary Bandit: Turnover of Ruling Elites and Protection of Property Rights
Authors: G. Syunyaev, L. Polishchuk
- **SCW 2014**: The 12th Meeting of the Society for Social Choice and Welfare, Boston, USA, June 18–21, 2014
- **EEA-ESEM 2012**: European Economic Association and the Econometric Society European meeting, Malaga, Spain, August 27–31, 2012
- **PET 2012**: 13th Annual Conference of The Association of Public Economic Theory, Taipei, Taiwan, June 12–14, 2012
- **ESNIE 2012**: 11th session of the European School on New Institutional Economics (ESNIE), Cargese, France, May 21–25, 2012
- **RSSIA 2011**: Russian Summer School for Institutional Aanalysis, Moscow, Russian Federation, July 5–11, 2011
- **ISNIE 2011**: 15th Annual Conference of The International Society for New Institutional Economics, Stanford, USA, June 16–18, 2011
- **RCI 2010**: Shanghai Workshop on Institutional Analysis, Shanghai, China, December 12–18, 2010

Turnover of Ruling Elites and Property Rights Protection: Evidence from Russian Regions
Authors: G. Syunyaev, L. Polishchuk
- **EACES-HSE 2014**: Political Economy of Development: A Comparative Perspective, Pushkin, Russian Federation, May 29–31, 2014
- **RSSIA 2013**: Russian Summer School for Institutional Aanalysis, Moscow, Russian Federation, June 29 – July 5, 2013
- **IACESD 2012**: XIII April International Academic Conference on Economic and Social Development, Moscow, Russian Federation, April 3–5, 2012
- **IACESD 2011**: XII April International Academic Conference on Economic and Social Development, Moscow, Russian Federation, April 5–7, 2011

Skills

Substantive Topics	Comparative Politics, Political Economy, Institutional Economics, Authoritarian Regimes
Methodological Topics	Formal Political Economy, Experimental Research, Causal Inferece
Software	[R] , Stan, Python, Mathematica, MATLAB, Stata, LaTeX, MS Office
Languages	Russian, English, German

Experience

R.O.K Cyber Command, MND
Seoul, S.Korea

Software Engineer & Security Researcher (Compulsory Military Service)
Aug. 2014 - Exp. Apr. 2016

- Implemented a military cooperation system which is web based real time messenger in Scala on Lift.
- Improved functionality on military command and control system for incident response with Java Servlet.
- Lead engineer on agent-less backtracking system that can discover client device's fingerprint(including public and private IP) independently of the Proxy, VPN and NAT.

NEXON
Seoul, S.Korea & LA, U.S.A

Game Developer Intern at Global Internship Program
Jan. 2013 - Feb. 2013

- Developed in Cocos2d-x an action puzzle game(Dragon Buster) targeting U.S. market. Implemented API server which is communicating with game client and In-App Store, along with two other team members who wrote the game logic, designed game graphics.
- Won the 2nd prize in final evaluation.

Undergraduate Research, Computer Vision Lab(Prof. Bohyung Han)
Pohang, S.Korea

Researcher for <Detecting video's torrents using image similarity algorithms>
Sep. 2012 - Feb. 2013

- Researched means of retrieving a corresponding video based on image contents using image similarity algorithm.
- Implemented prototype that users can obtain torrent magnet links of corresponding video relevant to an image on web site.

Software Maestro (funded by Korea Ministry of Knowledge and Economy)
Seoul, S.Korea

Software Engineer Trainee
Jul. 2012 - Jun. 2013

- Performed research memory management strategies of OS and implemented in Python an interactive simulator for Linux kernel memory management.

ShitOne Corp. (Start-up company)
Seoul, S.Korea

Software Engineer
Dec. 2011 - Feb. 2012

- Developed a proxy drive smartphone application which connects proxy driver and customer. Implemented overall Android application logic and wrote API server for community service, along with lead engineer who designed bidding protocol on raw socket and implemented API server for bidding.

SAMSUNG Electronics
S.Korea

Freelance Penetration Tester
Sep. 2013, Mar. 2011 - Oct. 2011

- Conducted penetration testing on SAMSUNG KNOX, which is solution for enterprise mobile security.
- Conducted penetration testing on SAMSUNG Smart TV.

Extracurricular Activity

B10S (B1t 0n the Security, Underground hacker team)
S.Korea

Core Member
Nov. 2011 - PRESENT

- Gained expertise in penetration testing areas, especially targeted on web application and software.
- Participated on a lot of hacking competition and won a good award.
- Held several hacking competitions non-profit, just for fun.

WiseGuys (Hacking & Security research group)
S.Korea

Member
Jun. 2012 - PRESENT

- Gained expertise in hardware hacking areas from penetration testing on several devices including wireless router, smartphone, CCTV and set-top box.
- Trained wannabe hacker about hacking technique from basic to advanced and ethics for white hackers by hosting annual Hacking Camp.

PoApper (Developers' Network of POSTECH)
Pohang, S.Korea

Core Member & President at 2013
Jun. 2010 - PRESENT

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

PLUS (Laboratory for UNIX Security in POSTECH)
Pohang, S.Korea

Member
Sep. 2010 - Oct. 2011

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.

MSSA (Management Strategy Club of POSTECH)   *Pohang, S.Korea*
Member   *Sep. 2013 - PRESENT*
- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and inisght for various industry from weekly industry analysis session.

Honors & Awards

INTERNATIONAL

2014	**Finalist**, DEFCON 22nd CTF Hacking Competition World Final	*Las Vegas, U.S.A*
2013	**Finalist**, DEFCON 21st CTF Hacking Competition World Final	*Las Vegas, U.S.A*
2011	**Finalist**, DEFCON 19th CTF Hacking Competition World Final	*Las Vegas, U.S.A*
2012	**6th Place**, SECUINSIDE Hacking Competition World Final	*Seoul, S.Korea*

DOMESTIC

2015	**3rd Place**, WITHCON Hacking Competition Final	*Seoul, S.Korea*
2013	**Silver Prize**, KISA HDCON Hacking Competition Final	*Seoul, S.Korea*
2013	**2nd Award**, HUST Hacking Festival	*S.Korea*
2010	**3rd Award**, HUST Hacking Festival	*S.Korea*
2012	**3rd Award**, Holyshield 3rd Hacking Festival	*S.Korea*
2011	**2nd Award**, Holyshield 3rd Hacking Festival	*S.Korea*
2011	**5th Place**, PADOCON Hacking Competition Final	*Seoul, S.Korea*

Program Committees

2013	**Organizer & Co-director**, 1st POSTECH Hackathon	*S.Korea*
2012	**Staff**, 7th Hacking Camp	*S.Korea*
2012	**Problem Writer**, 1st Hoseo University Teenager Hacking Competition	*S.Korea*
2012	**Staff & Problem Writer**, JFF(Just for Fun) Hacking Competition	*S.Korea*