

Payam Delgosha

264 Cory Hall
EECS Department, UC Berkeley

E-mail: pdelgosha@eecs.berkeley.edu

Web: <http://eecs.berkeley.edu/~pdelgosha>

EDUCATION	PhD in Electrical Engineering and Computer Science University of California, Berkeley <i>Technical Area:</i> Communication Systems <i>Advisor:</i> Prof. Venkat Anantharam	08/2014–present
	M.S. in Electrical Engineering Sharif University of Technology, Tehran, Iran <i>Technical Area:</i> Communication Systems <i>Thesis:</i> Applications of Repeated Games in Network Information Theory <i>Advisor:</i> Prof. Amin Aminzadeh Gohari <i>GPA:</i> 19.35 out of 20.00	08/2012–08/2014
	B.Sc. in Electrical Engineering and Mathematics (Double Major) Sharif University of Technology, Tehran, Iran <i>Technical Area:</i> Telecommunications, Pure Mathematics <i>Thesis:</i> The role of Information in Negotiation <i>Supervisor:</i> Prof. Amin Aminzadeh Gohari <i>GPA:</i> 19.03 out of 20.00	08/2007–08/2012
RESEARCH INTERESTS	Information Theory and Coding Game Theory Machine Learning Quantum Information Theory	
HONORS	Rank 1 st among Graduate students of Telecommunication Engineering, Sharif University of Technology	2012–2014
	Exempted from nationwide University Entrance Exam for M.S.	2012
	Rank 1 st among Bachelor students of Telecommunication Engineering	2008–2012
	Member of the <i>Iranian National Elites Foundation</i>	2007–present
	Rank 34 th among 270 thousand students in Iranian University Entrance Examination	07/2007
	Silver medal in the 15 th Iranian National Olympiad in Informatics, Iranian Young Scholars Club, Tehran, Iran	03/2006

PUBLICATIONS

Journals

1. **Payam Delgosha** and Salman Beigi, “Impossibility of Local State Transformation via Hypercontractivity”, *Communications in Mathematical Physics*, 332, 449–476 (2014) (preprint [arXiv:1307.2747](https://arxiv.org/abs/1307.2747))

Conferences

2. **Payam Delgosha** and Amin Aminzadeh Gohari, “[Information Theoretic Cutting of a Cake](#)”, In proceedings of Information Theory Workshop 2012
3. Dominique Tschopp, Suhas Diggavi, **Payam Delgosha**, Soheil Mohajer, “[Randomized Algorithms for Comparison-based Search](#)”, In proceedings of NIPS 2011
4. Mousavi, A., Pad, P., **Delgosha, P.**, and Marvasti F.: “[A new decoding scheme for errorless codes for overloaded CDMA with active user detection](#)”, *Telecommunications (ICT)*, 2011 18th International Conference on, 201-205, 2010

Preprints

5. **Payam Delgosha**, Amin Aminzadeh Gohari and Mohammad Akbarpour “[High Probability Guarantees in Repeated Games: Theory and Applications in Information Theory](#)”, arXiv preprint 1509.08571

INTERNSHIPS

- | | |
|--|-------------|
| Summer internship at EPFL, under supervision of Prof. Suhas Diggavi , Switzerland | Summer 2011 |
| Summer internship at EPFL, Randomized Algorithms for Comparison-based Search, under supervision of Prof. Suhas Diggavi , Switzerland | Summer 2010 |

TEACHING EXPERIENCE

Teaching Assistant, “Quantum Information Theory” course, Prof. Amin Gohari and Prof. Salman Beigi, Sharif University of Technology Fall 2013

COMPUTER SKILLS

Programming in C, C++, Python
 Mathematical software MATLAB
 Mathematical software Mathematica
 Typesetting system \LaTeX

REFERENCES

Available upon request.