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Andris Ambainis

Andris Ambainis (born 18 January 1975)^[1] is a Latvian computer scientist active in the fields of quantum information theory and quantum computing.

Education and career

Ambainis has held past positions at the Institute for Advanced Study at Princeton, New Jersey^[2] and the Institute for Quantum Computing at the University of Waterloo. He is currently a professor in the Faculty of Computing at the University of Latvia.

He received a Bachelors (1996), Masters (1997), and Doctorate (1997) in Computer Science from the University of Latvia, as well as a PhD (2001) from the University of California, Berkeley.^[1]

Contributions

Ambainis has contributed extensively to quantum information processing and foundations of quantum mechanics, mostly through his work on quantum walks and lower bounds for quantum query complexity.

Recognition

In 1991 he received a perfect score and gold medal at the International Mathematical Olympiad.^[3] He won an Alfred P. Sloan Fellowship in 2008 (<https://wayback.archive-it.org/all/20110204131104/http://iqc.uwaterloo.ca/news-events/archive/fellowship-awarded-to-iqc-professor-andris-ambainis>).

Ambainis was an invited speaker at the 2018 International Congress of Mathematicians^[4], speaking on mathematical aspects of computer science.

References

- Andris Ambainis' page (<http://www.lza.lv/scientists/ambainisa.htm>) Archived (<https://web.archive.org/web/20140521031325/http://www.lza.lv/scientists/ambainisa.htm>) 2014-05-21 at the Wayback Machine at the Latvian

Andris Ambainis



Born	18 January 1975 <div>Daugavpils, Latvia</div>
Nationality	Latvian
Alma mater	<u>University of Latvia</u> <u>University of California, Berkeley</u>
Known for	<u>Quantum walks</u> <u>Quantum algorithms</u> <u>Quantum complexity theory</u>
Awards	<u>International Mathematical Olympiad gold medal</u> (1991)
Scientific career	
Fields	<u>Quantum information</u> <u>Quantum computing</u> <u>Theoretical computer science</u>
Institutions	<u>University of Latvia</u>
Doctoral advisor	<u>Umesh Vazirani</u>

Academy of Sciences.

2. Institute for Advanced Study: A Community of Scholars (<https://www.ias.edu/people/cos/users/ambainis>)
3. Andris Ambainis's results (https://www.imo-official.org/participant_r.aspx?id=2712) at International Mathematical Olympiad.
4. "Invited section lectures" (<https://web.archive.org/web/20171025163517/http://www.icm2018.org/portal/en/invited-section-lectures-speakers>), *ICM 2018*, archived from the original (<http://www.icm2018.org/portal/en/invited-section-lectures-speakers>) on 2017-10-25, retrieved 2018-08-31

External links

- Andris Ambainis homepage (<http://home.lu.lv/~ambainis/>)
- (in Latvian) (<http://www.latgaleslaiks.lv/lv/2004/1/16/17042>)
- (in Latvian) (<http://www.on-line.lv/jaunumi.php?jn=164>)

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