

Curriculum Vitae: L. PYBER

#### PERSONAL INFORMATION

Name: Laszlo PYBER

Born: Budapest (Hungary), May 8, 1960

Nationality: Hungarian

E-mail: pyber@renyi.hu

Office: HUN-REN Alfred Renyi Institute of Mathematics,  
H-1053 Budapest, Realtanoda utca 13-15.

#### EDUCATION:

1978 High School Diploma

Fazekas Mihaly Special High School (Specialising in Mathematics).

1984 Diploma (equivalent to M.Sc.) Eotvos Lorand University, Budapest

1989 Candidate of the Hungarian Academy of Sciences (higher than Ph.D.)

Thesis title: Extremal Structures and Covering Problems;

Supervisors: Gyula KATONA , Laszlo LOVASZ

1998 Doctor of the Hungarian Academy of Sciences

Thesis title: Asymptotic Group Theory

#### ACADEMY MEMBERSHIP:

2013 Corresponding Member of the Hungarian Academy of Sciences

Since 2019 Member of the Hungarian Academy of Sciences

#### LANGUAGE SKILLS

Hungarian - native

English - fluent/working language during the last 40 years

some Russian and Dutch

#### CURRENT POSITION:

since 2013 Research Professor at the

HUN-REN Alfred Renyi Institute of Mathematics

#### PREVIOUS POSITIONS:

Since 1984 various positions at the HUN-REN Alfred Renyi Institute of Mathematics, Budapest.

In 1991-92 A postdoctoral fellow at Rutgers University

#### AWARDS:

1983 Renyi Kato prize of the Janos Bolyai Mathematical Society

1985 Grunwald prize of the Janos Bolyai Mathematical Society

1991 Youth prize of the Hungarian Academy of Sciences

1991 Postdoctoral grant of DIMACS

(Discrete Mathematics and Computer Science Centre)

1993 Renyi Alfred prize of the Alfréd Renyi Institute of Mathematics

1996 Mathematical prize of the Hungarian Academy of Sciences

2007 Prize of the Hungarian Academy of Sciences

2017 ERC ADVANCED GRANT the grant period was finished in 2023

#### INVITED LECTURES:

Over 50 invited talks at various international conferences, including EUROPEAN MATHEMATICAL CONGRESS , Budapest (1996)

Invited speaker of the Algebra session

2025 Szele Tibor prize of the Janos Bolyai Mathematical Society

#### EDITORIAL POSITIONS:

Combinatorica, 1988—1990

Periodica Mathematica Hungarica, 1993—1998

Acta Mathematica Hungarica, 2013-2017

International Journal of Algebra and Computation, since 2016

#### TEACHING EXPERIENCE:

L. Eotvos University (ELTE)

Karoly PODOSKI, MSc and PhD student, Currently at the Renyi Institute

Balint BIRSZKI, MSc later Phd student

Marton HABLICSEK, MSc student , Currently at the Univ.of Pennsylvania

Attila Jozsef University (JATE)

Attila MAROTI, PhD student, HUMBOLDT Fellow, Currently at the Rényi Institute

Central European University (CEU)

Balázs SZEGEDY PhD student,(co-advisor P.P.PÁLFY)

Winner of an ERC CONSOLIDATOR GRANT, Currently at the Rényi Institute

Miklós ABERT PhD student (Co-advisor P.P.PALFY),

Winner of an ERC CONSOLIDATOR GRANT, Currently at the Rényi Institute

David SZABO Central European University

Tugba ASLAN (co-advisor Pal HEGEDUS)

The PhD Thesis of the following students of P.P.PALFY contains at least one paper written under my supervision

Levente LEVAI

Gabor SOMLAI, Currently at ELTE

#### POSTDOCTORAL STUDENTS

Kalman CZISZTER,

Gareth TRACEY

Urban JEZERNIK

David SZABO

Daniele DONA

Luca SABATINI

Saveliy SKRESANOV

#### VISITING POSITION:

1986 University of Waterloo (Canada), two months

1991-1992 Rutgers University (USA), 1 year (DIMACS postdoctoral fellowship)

1994 Hebrew University, Jerusalem (Israel), six weeks

1997 University of Western Australia, (Australia) 1 month

2000 Hebrew University, Jerusalem (Israel), 1 month

2003 Yale,(USA), 1 month

## MAJOR COLLABORATIONS

Laszlo BABAI, University of Chicago (3 papers)

Pal ERDOS, (3 papers)

Martin LIEBECK , Imperial College, London (3 papers)

Alex LUBOTZKY, Hebrew University , Jerusalem (4 papers)

Nikolay NIKOLOV , Oxford University, (3 papers)

Aner SHALEV Hebrew University, Jerusalem (8 papers)

Endre SZABO (5 papers)

## SOME OTHER COAUTHORS:

Alexandre BOROVIK, Dorian GOLDFELD, Andrei JAIKIN-ZAPIRAIN, Tomasz LUCZAK, Dan SEGAL, Endre SZEMERÉDI, Cheryl PRAEGER, Vojtech RODL,

## SELECTED LECTURES

ECM (European Congress of Mathematics) section speaker in Budapest in 1998  
(Group enumeration and where it leads us)

BMC2016 (British Mathematical Colloquium) Morning Speaker in Bristol (How to avoid CFSG in Asymptotic Group Theory)

According to Google Scholar there are over 2500 citations of my works.

See below the number of citations of some of my papers according to Google Scholar.

<https://scholar.google.hu/citations?user=sujoV1IAAAAJ&hl=hu>

The book of S. Blackburn, P.M. Neumann, G. Venkataraman on GROUP ENUMERATION (Cambridge Univ. Press 2007) is largely based on an 1993 Annals of Math. paper of mine

## SOME IMPORTANT INVITED LECTURES

1) 2nd EUROPEAN MATHEMATICAL CONGRESS, July 1996 Budapest, Hungary

INVITED SPEAKER OF THE ALGEBRA SESSION

2) Permutation groups, August 2007, Oberwolfach

3) Groups and geometries, April 2008, Oberwolfach,

4) Profinite and asymptotic group theory, June 2008, Oberwolfach,

5) Permutation groups, July 2009, Banff

6) Workshop on Graphs and Arithmetic, March 2010, Montreal

7) Expansion in groups, May 2010, London

8) Actions and Invariants of Residually Finite Groups: Asymptotic Methods, September 2010, Oberwolfach,

9) Groups and Additive Combinatorics, June 2011, Gregynog Hall, Wales

10) Hot topics: Thin groups and Super-strong approximation, February 2012  
MSRI, San Francisco

11) Words and growth, 16th Midrasa Mathematicae, June 2012, Jerusalem

12) Groups and Geometries, September 2012, Banff,

13) Erdős Centennial, July 2013, Budapest, Hungary

14) Permutation groups, July 2013, Banff

- 15) Simple groups, representations and related topics, July 2015 Cambridge
- 16) British Mathematical Colloquium, MORNING SPEAKER, March 2016, Bristol
- 17) The 20th Midrasha Mathematicae: 60 faces to Groups, November 2016, Jerusalem
- 18) Workshop on Permutation Groups: Methods and applications, January 2017, Bielefeld, Germany
- 19) Workshop on Group Theory and Algebraic Combinatorics, July 2017, Novosibirsk, Russia
- 20) In 2022 I was an invited participant of GRA2 , Groups representations and applications: new perspectives, in Cambridge and gave a talk at the Newton Institute
- 21) Groups, graphs and Ergodic Theory , May 2023, Budapest, Hungary
- 22) Topics in Group Theory, September 2024, Padua, Italy

#### CONFERENCES ORGANISED

- 2003 Groups and probability, Budapest, Hungary, Conference chair
- 2005 International conference on algebra, Debrecen, Hungary, Program committee member
- 2015 Asymptotic group theory, Budapest, August 2015 Organiser with Miklos Abert (my former PhD student)

I have Erdős number 1 (I have 3 papers with Paul Erdős)