

## Vita

**Pavle Pandžić** Birthdate: September 14, 1963  
Birthplace: Zagreb, Croatia Citizenship: Croatian

### Academic Degrees:

B.S. 1986 University of Zagreb, Croatia  
M.S. 1989 University of Zagreb, Croatia  
Ph.D. 1995 University of Utah, Salt Lake City, U.S.A.

### Professional Experience:

1986-1990 Teaching fellow, University of Zagreb, Croatia  
1990-1995 Teaching fellow, University of Utah, Salt Lake City, U.S.A.  
1995-1998 C.L.E. Moore Instructor, M.I.T., Cambridge, U.S.A.  
1998-2005 Assistant professor, University of Zagreb, Croatia  
2005-2010 Associate professor, University of Zagreb, Croatia  
2010- Professor, University of Zagreb, Croatia

**Specialization:** Semisimple Lie Group Representations

### Scholarships/Awards:

1982 2nd prize at International Mathematical Olympiad  
1988/89 University of Zagreb Scholarship  
1993-95 University of Utah Graduate Research Fellowship  
2003/04 The Matsumae International Foundation Research Fellowship  
2012 Croatian State Award for Science.

### Conferences, Lectures, Visiting positions:

October 1989 Invited lecture at the conference "Functional Analysis and Applications", Dubrovnik, Croatia.  
September 1990 Invited lecture at the conference "Lie Groups", Amsterdam, The Netherlands.  
July 1996 Communication at First Croatian Mathematical Congress, Zagreb, Croatia.  
April 1997 Invited communication at AMS meeting at University

of Maryland.

June 1999 Invited lecture at Zagreb-Graz Meeting, Motovun, Croatia.

September 1999 Invited lecture at the conference “Functional Analysis VI”,  
Dubrovnik, Croatia.

April 2000 Visiting Hong Kong University of Science and Technology,  
2 weeks

June 2000 Communication at Second Croatian Mathematical Congress,  
Zagreb, Croatia.

September 2001 Invited lecture at the conference “Functional Analysis VII”,  
Dubrovnik, Croatia.

April 2002 2 weeks at MFO, Oberwolfach, Germany, under the  
“Research in pairs” program.

August 2002 Invited member of the IMS, National University of  
Singapore, program “Representations of Lie Groups”.

October 2002 Invited communication at AMS meeting at  
University of Utah.

October 2002 Invited lecture at MIT Lie Groups Seminar.

Jan.-June 2003 Visiting Senior Research Fellow, National University  
of Singapore.

Oct.2003-Mar.2004 RIMS, Kyoto University, Japan, under the Matsumae  
International Foundation Research Fellowship.

Jan. 2004 Invited lecture at Lie groups and representation theory  
seminar, University of Tokyo, Japan.

Jan. 2004 Visiting Hokkaido University, Sapporo, Japan, 1 week.

Feb. 2004 Invited speaker at workshop ‘Nilpotent Orbits and  
Representation Theory’, Nagoya University, Japan.

June 2004 Communication at Third Croatian Mathematical Congress,  
Split, Croatia.

2004/2005 Visiting Assistant Professor, The Hong Kong  
University of Science and Technology.

Aug. 2004 Invited speaker, International Symposium on Representation  
Theory and Harmonic Analysis, Urumqi, China.

March 2005 Invited speaker, Workshop ‘Enveloping algebras and geometric  
representation theory’, MFO, Oberwolfach, Germany.

June 2006 Invited speaker at 2006 Nankai Summer School “Representation  
Theory and Harmonic Analysis”, Chern Institute of  
Mathematical Sciences, Nankai University, Tianjin, China.

June 2006 Visiting Department of Mathematics, Kyoto University, Japan,

1 week.

June 2006 Invited speaker at “Functional Analysis IX”, Dubrovnik, Croatia.

June 2007 Invited speaker at 2007 Nankai Summer School “Representation Theory and Harmonic Analysis”, Chern Institute of Mathematical Sciences, Nankai University, Tianjin, China.

2007/08 Visiting Cornell University, Ithaca, USA.

Dec. 2007 Visiting SUNY Albany, USA.

Feb. 2008 Visiting M.I.T., Cambridge, USA.

March 2008 Visiting University of Utah, Salt Lake City, USA.

April 2008 Visiting University of North Carolina, Chapel Hill, USA.

June 2008 Invited speaker at 2008 Nankai Summer School “Representation Theory and Harmonic Analysis”, Chern Institute of Mathematical Sciences, Nankai University, Tianjin, China.

Oct. 2008 Invited speaker at AMS Meeting, Kalamazoo, USA.

Oct. 2008 Visiting Northwestern University, Evanston, USA.

Nov. 2008 Visiting University of Rome “La Sapienza”.

Dec. 2008 Invited speaker at “Representations of Lie groups and applications”, Paris, France.

June 2009 Invited speaker at 2009 Nankai Summer School “Representation Theory and Harmonic Analysis”, Chern Institute of Mathematical Sciences, Nankai University, Tianjin, China.

June 2009 Invited speaker at “Representation Theory XI”, Dubrovnik, Croatia.

Nov. 2009 Visiting Cornell University, Ithaca, USA.

Dec. 2009 Visiting University of Freiburg, Germany.

Jan. 2010 Plenary lecture at The 30th Winter School Geometry and Physics, Srni, Czech Republic.

Apr. 2010 Visiting Charles University, Prague, Czech Republic, 1 week.

June 2010 Invited speaker at 2010 Nankai Summer School “Representation Theory and Harmonic Analysis”, Chern Institute of Mathematical Sciences, Nankai University, Tianjin, China.

June-July 2010 Visiting Paul Verlaine University, Metz, France, 1 month.

June-July 2010 A talk in Nancy.

Dec. 2010 Visiting Jacobs University, Bremen, Germany.

Jan-May 2011 Visiting Cornell University, Ithaca, USA.

Feb. 2011 Invited speaker at workshop ‘Nilpotent Orbits and Representation Theory 10’, Kyushu University, Fukuoka, Japan.

Apr. 11, 2011 A talk at Lie Groups Seminar at MIT.

June 2011 Invited speaker at “International Workshop on Representation

	Theory and Harmonic Analysis”, Chern Institute of Mathematical Sciences, Nankai University, Tianjin, China.
June 2011	Invited speaker at “Representation Theory XII”, Dubrovnik, Croatia.
October 2011	Visiting Charles University, Prague, Czech Republic, 1 week.
November 2011	Visiting University of Metz, France, 1 week.
January 2012	3 plenary lectures at 32nd Winter School Geometry and Physics, Srni, Czech Republic.
March-April 2012	Visiting University of Lorraine - Metz, France, 1 month.
March 2012	Invited speaker at “Algebraic and geometric aspects of Dirac operators”, University of Lorraine - Metz, France.
April-May 2012	Visiting École Polytechnique, Palaiseau, France, 2 weeks.
June 2012	Invited speaker at “International Workshop on Representation Theory and Harmonic Analysis”, Chern Institute of Mathematical Sciences, Nankai University, Tianjin, China.
August 2012	Invited speaker at “Workshop in Lie Theory”, Aarhus University, Denmark.
February 2013	Visiting Charles University, Prague, Czech Republic, 2 weeks.
April 2013	Visiting Cornell University, Ithaca, USA, 1 week.
April 2013	Visiting Massachusetts Institute of Technology, Cambridge, USA, 1 week.
June 2013	Invited speaker at “Representation Theory XIII”, Dubrovnik, Croatia.
July 2013	Visiting University of Lorraine-Metz, France, 3 weeks.
November 2013	Visiting University of Lorraine-Metz, France, 1 week.
November 2013	Visiting Charles University, Prague, Czech Republic, 1 week.
January 2014	A talk at 32nd Winter School Geometry and Physics, Srni, Czech Republic.
May 2014	Visiting Cornell University, Ithaca, USA, 1 week.
May 2014	Participating in “Representations of reductive groups; A conference dedicated to David Vogan on his 60th birthday”, Massachusetts Institute of Technology, Cambridge, USA, 1 week.
June 2014	Invited speaker at “International Workshop on Representation Theory and Harmonic Analysis”, Chern Institute of Mathematical Sciences, Nankai University, Tianjin, China.
June 2014	Invited speaker at “Hodge theory and unitary representations of reductive Lie groups”, Jacobs University Bremen, Germany.
June 2014	Invited speaker at “Representations of p-adic groups; A conference dedicated to Marko Tadić on his 60th birthday”, University of Zagreb.
June-July 2014	Visiting University of Lorraine-Metz, France, 3 weeks.
July 2014	Visiting Chalmers University of Technology, Gothenburg, Sweden, 1 week.

Sept. 2014 Visiting The Hong Kong University of Science and Technology, 1 month.

2014/15 Visiting University of Freiburg, Germany, 5 months.

Oct. 2014 Invited speaker at “Representations of real reductive groups, Dirac operators and related topics”, University of Lorraine - Metz, France.

Jan. 2015 3 plenary lectures at 33rd Winter School Geometry and Physics, Srni, Czech Republic.

June 2015. Representation Theory XIV, Dubrovnik, Croatia.

June 2015. 11-th International Workshop “Lie Theory and Its Applications in Physics” (LT-11), Varna, Bulgaria

Sept. 2015. visiting Cornell University, Ithaca, USA, 1 week.

Sept. 2015. visiting MIT, Cambridge, USA, 1 week.

Oct. 2015. visiting University of Oxford, UK, 1 week.

Nov. 2015. visiting University of Lorraine-Metz, France, 1 week.

Jan. 2016. 34th Winter School Geometry and Physics, Srni, Czech Republic.

March 2016. visiting Chalmers University, Gothenburg, Sweden, 1 week.

March 2016. New Developments in Representation Theory, National University of Singapore.

April 2016. visiting Aoyama Gakuin University, Tokyo, Japan, 1 week.

May 2016. visiting University of Aarhus, Denmark, 1 week.

June 2016. visiting University of Lorraine-Metz, France, 1 week.

June 2016. Plenary lecture at “6th Croatian Mathematical Congress”, Zagreb, Croatia.

Aug. 2016. visiting Chalmers University, Gothenburg, Sweden, 1 week.

Oct. 2016. visiting MIT, Cambridge, USA, 1 month.

Nov. 2016. visiting Cornell University, Ithaca, USA, 1 month.

Dec. 2016. Invited lecture at “Harmonic Analysis on Lie Groups and Group Algebras of Locally Compact Groups TSIMF, Sanya, China.

Dec. 2016. Visiting The Hong Kong University of Science and Technology, 1 month.

Jan. 2017. 35th Winter School Geometry and Physics, Srni, Czech Republic.

Mar. 2017. visiting University of Lorraine-Metz, France, 1 month.

Apr.-Sep. 2017. Visiting University of Freiburg, Germany, 6 months.

Aug. 2017. Plenary lecture at “The 11th International Conference on Clifford Algebras and Their Applications in Mathematical Physics (ICCA11)”, Ghent University, Ghent, Belgium.

Nov. 2017.	Visiting Charles University, Prague, Czech Republic, 1 week.
Dec. 2017.	Invited lecture at “Journée: théorie des représentations”, University of Lorraine - Metz, France.
Dec. 2017.	Invited lecture at “Affine, Vertex and W Algebras”, INDAM, Rome, Italy.
Jan. 2018.	38th Winter School Geometry and Physics, Srni, Czech Republic.
Mar. 2018.	Visiting Charles University, Prague, Czech Republic, 1 week.
Apr. 2018.	visiting Cornell University, Ithaca, USA, 1 week.
Apr. 2018.	visiting MIT, Cambridge, USA, 1 week.
May 2018.	visiting École polytechnique, Palaiseau, France, 1 week
June 2018.	Lecture at “Dirac operators and representation theory”, Zagreb, Croatia.
July 2018.	Invited lecture at “Workshop on automorphic forms, representations of Lie groups and several complex variables”, CAS., Beijing, China.
Oct.-Dec. 2018.	Visiting Charles University, Prague, Czech Republic, 2 months.
Dec. 2018.	Invited lecture at “The Legacy of Joseph Fourier after 200 Years”, TSIMF, Sanya, China.
Jan. 2019.	39th Winter School Geometry and Physics, Srni, Czech Republic.
Feb.-Mar. 2019.	visiting University of Lorraine-Metz, France, 1 month.
12.3.2019.	A lecture at University of Luxembourg.
21.-22.3.2019.	Invited lecture at “Journées $SL_2R$ ”, University of Lorraine-Metz, France.

### **Administrative duties:**

From 1998 to 2000 I was the managing editor of the journal Glasnik Matematički.

From 2000 to 2002 and in 2006/07, I was the vice chair for research of Department of Mathematics, University of Zagreb. In 2005/2006 I was the acting chairman.

### **Organization of conferences:**

I was the secretary of the Second Croatian Mathematical Congress, held in Zagreb in June 2000.

I was a member of the organizing committee of the conferences Functional Analysis VII and VIII held in Dubrovnik, Croatia in 2001 and 2003.

I was a member of the organizing committee of the Fifth Croatian Mathematical Congress, held in Rijeka in June 2012, and of the Sixth Croatian Mathematical Congress, held in Zagreb in June 2016.

I was a member of the organizing committee of the conferences Representation Theory XIV and XV, held in Dubrovnik, Croatia in 2015 and 2017.

**Grants:**

1. I was the leader of the Croatian side of three two-year French-Croatian research grants. I was also a member of one German-Croatian research grant.
2. I was the principal investigator of two grants given by the Ministry of Science and education of the Republic of Croatia: “D-modules, Dirac operators and representation theory”, and “Homological and geometrical methods in representation theory”. I was also a collaborator on two more such grants: “Representation theory” and “K-types, duals and  $C^*$ -algebras”, led by Hrvoje Kraljević.
3. From June 2014 to May 2018, I was the principal investigator of the Croatian Science Foundation grant “Dirac operators in representation theory”.
4. Since 2015, I have been the leader of the mathematical part of the Center of excellence for quantum and complex systems and Lie algebra representations (QuantiXLie).

**Last updated:** January 2019.