

**Professor Vitali MILMAN**

**CURRICULUM VITAE**

Home Address: Einav 22/11, Herzlyia  
Tel. No.: 03-6409602 (office)  
Date and place of birth: 23.8.1939, USSR  
Date of arrival in Israel: July 1973

EDUCATION

1956-1959 B.Sc., Mathematics  
Kharkov University, USSR

1959-1961 M.Sc., Mathematics  
Kharkov University, USSR  
Title of Master's Thesis: "Differential Operators"  
Name of Supervisor: Professor B. Levin

1965 Ph.D. Mathematics  
Kharkov University  
Title of Doctoral Dissertation: "Sturm-Liouville  
operators in a non selfadjoint case"  
Name of Supervisor: Professor B. Levin

1970 Dr. of Science (Dr. Nauk) Mathematics  
Physical Inst. of Low Temperatures, Kharkov  
Title of Doctoral Dissertation: "Research on the  
infinite dimensional geometry of a Banach Space"

ACADEMIC AND PROFESSIONAL EXPERIENCE

1961-1965 Lecturer in Dept. of Mathematics, Kharkov University

1961-1965 In charge of a group working on a computer; research worker in Academy of Sciences (Inst. of Low Temperatures, Kharkov).

1965-1973 In charge of a group working on a computer; senior research worker in Academy of Sciences, Inst. of Chemical Physics, Moscow.

1973-1980 Associate Professor, Tel-Aviv University, Israel

1976-1977 Senior Fellow of the Institute for Advanced Studies, Hebrew University, Jerusalem.

1978-1979 Visiting Professor, State University of New York at Albany, New York, USA

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1979-1980 Visiting Professor, Wayne State University, Detroit, MI, USA  
 1980-present Professor, Tel-Aviv University.  
 1980-1982 Chairman, Dept. of Pure Mathematics.  
 1984-1985 Visiting Professor, IHES (Institute for Advanced Study, France) and University of Paris VI, France  
 1985-1988 Short-term visiting positions in Mathematical Institutes of Bonn, Kiel, IHES and others  
 1988 Visiting Professor, IAS (Institute of Advanced Study), Princeton, USA  
 1989 Visiting Professor, Texas A&M University, College Station Texas, USA  
 1989, 1992, 1996 Summer Visiting Professor, IHES, France  
 1990-1995 Part-time Visiting Professor, Ohio-State University, Columbus, Ohio, USA  
 1996 General Member - organizer , Half year Program on Convexity - Geometric Funct. Analysis ,Berkeley (MSRI).

## CHAIR:

1992-2009 Argentinian Chair in Mathematics, Tel Aviv University

## EDITOR:

1990- Geometric And Functional Analysis (Managing Editor)

## EDITORIAL BOARD:

1997–2013 Israel Journal of Mathematics  
 2007- Communications in Contemporary Mathematics (CCM)

## AWARDS:

1986 Invited talk at ICM86  
 1996 Invited talk at ECM96 (Plenary)  
 1998 Invited talk at ICM98  
 1991 Special Award for Exceptional Contribution to the Absorption of Immigrant (Olim) Scientists  
 2002 Landau Prize in Exact Science (field of mathematics)  
 2007 EMET Prize in Exact Science (field of mathematics)  
 2009 Humboldt Research award  
 2013 Elected "Fellow of the American Mathematical Society"  
 1997 Pichorides Distinguished Lecturer, University of Crete, Crete  
 2006 Carl Stromberg Memorial Distinguished lecture, KSU  
 2007 CRM – University of Ottawa, Distinguished Lecture  
 2007 Ordway, Minneapolis, Distinguished Lecture  
 2008 MRI – Distinguished Lecture  
 2011 Ordway, Minneapolis, Distinguished Lecture  
 2015 Special Lecture on Riviere-Fabes Symposium in Analysis

## OTHER ACTIVITIES:

- 1983-1992 Member, Board of Directors, Weizmann Scientific Press of Israel
- 1989-1992/93 Member of “Aliyah” committee of Tel Aviv University and advisor to the Israel Minister of Science on immigration of scientists
- 1992-1995 Member, Board of Directors, Institute of Industrial Mathematics, Beer Sheva
- 1994- Member, Board of Govenors, College of Judea and Samaria, Ariel
- 1998- Member, Council of EMS
- 2000-2002 President, Israel Mathematical Union
- 2001-2005 Member, Board of Governors, Tel Aviv University
- 2015-2017 President, Israel Mathematical Union

## CONFERENCES, ETC.

Over the past 25 years, more than 300 invited talks delivered at conferences, colloquiums and international seminars at all major mathematical centers around the World.

## ORGANIZER (JOINTLY WITH OTHER COLLEAGUES) OF MAJOR LARGE-SCALE PROGRAMS:

- 1996 Half year program at MSRI, Berkley
- 1999 Summer program in Asymptotic Geometric Analysis at PIMS, Vancouver
- 2002 Thematics Summer Program, PIMS
- 2005 Three month programs at Schrödinger Institute, Vienna
- 2006 Trimester on “Phenomena in High Dimensions” at Centre Emile Borel, IMP, Paris
- 2010 Semester at Fields Institute, Toronto

## STUDENTS

Many Masters students and 20 PhD students who have completed their studies. Five former students are at present professors at Tel Aviv University. Three of them, L. Polterovich, S. Alesker, and B. Klartag, were recipients of the European Prize for the Best Young European Mathematicians. Four former students have been invited to talk at International Math Congresses.

## MEMBERSHIP IN PROFESSIONAL SOCIETIES

AMS, IMU, EMS.

## PUBLICATIONS

List of publications includes over 200 scientific publications, 4 monographs and 20 edited books; including four volumes of Israel Seminar Notes on Geometric Aspects of Functional Analysis, Springer Lecture Notes, Vol. Nos. 1267, 1317, 1376, 1469 (jointly with

J. Lindenstrauss), 1745, 1807, 1850 and 1910 (jointly with G. Schechtman), 2050 (jointly with B. Klartag and S. Mendelson), one published by Birkhauser, as Vol. 77 of Operator Theory Advances and Applications Series, and another in MSRI series v. (jointly with K. Ball). Also co-editor of: “Geometry in Interaction”, in honor of M. Gromov (Birkhäuser); “Visions in Mathematics; Towards 2000,” vols. I and II (edited jointly with N. Alon, J. Bourgain, A. Connes and M. Gromov, published by Birkhäuser), and “Boris Levin Memorial Conference Proceedings” (edited jointly with Y. Lyubich, I. Ostrovskii, M. Sodin, V. Tkachenko and L. Zalcman).

#### ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS (since 1985)

##### 1985

“On Mahler’s conjecture”, (with Bourgain), Seminar on Geometry, IHES, Paris, March 1985.

Many talks at Seminar on Analysis, IHES, Paris.

3 different 2-hour talks during the 1984-1985 academic year, at Seminar on Functional Analysis, University of Paris VI-VII.

3 talks at Seminar on Functional Analysis and Operator Theory, Kiel, W. Germany, June 1985.

An invited talk at the Kent International Conference on Banach Spaces and Applications to Analysis, July 28th - August 10th, 1985.

##### Colloquiums:

1. University of Kiel, W. Germany, June 1985
2. Max Planck Inst. fur Math., Bonn, W. Germany, July 1985
3. University of Odense, Denmark, June 1985
4. University of Edmonton, Canada, August 1985
5. University of Illinois, Urbana-Champaign, USA, Sept. 1985
6. University of Toronto, Canada, Sept. 1985
7. A&M University, College Station, TX, USA, Oct. 1985

##### 1986

Invited address at the International Congress of Math. at Berkeley, August 1986.

Invited talk at the International Conf. in Aarhus, Denmark, on Probability in Banach Spaces, June 1986.

Seminar talk at IHES and Paris VI-VII, February 1986.

Colloquium talk at Kiel University, W. Germany, June 1986.

Texas Seminar on Functional Analysis, Austin, Texas, July 1986

Seminar of Functional Analysis, Cambridge, England, October 1986.

Banach space week at Oberwolfach, W. Germany, October 1986.

##### 1987

##### Invited talks:

March            Lausanne, Switzerland, Conference of Graphs and Riemannian Geometry.

June             Paris, Ecole Polytechnique, International Conf. dedicated to the 100th year of P. Levy.

August Belgium, Mons, International Conf. on Geometry of Banach Spaces.

Seminar and Colloquium Talks (out of Israel):

February Princeton University, USA  
IHES, University of Paris VI-VII

June Universite de Grenoble, France

July University of Bern (Switzerland)  
University of Zurich (Switzerland)

### 1988

Invited talks:

June Banff, Canada, Conference on “Banach Spaces and Geometry of Convex Bodies” (3 lectures)

June-July Berkeley, USA, Microprogram on “Structure of Banach Spaces”

August Canberra, Australia, Conference on “Functional Analysis/Optimization”

Seminar and Colloquium talks (out of Israel):

February: University Paris VI and VII

February: Colloquium Harvard and MIT

February: Texas A & M University (2 talks)

July: Stanford University, USA

August: Colloquium, Centre for Math Analysis, Canberra, Australia

August: Colloquium, Flinders University, Adelaide, Australia

September: Colloquium, New England University, Armidale, Australia

September: Colloquium, The University of Newcastle, Australia

October: Seminar on Analysis, Princeton University, USA

October: Colloquium, Ohio State University, Columbus, Ohio, USA

November: Probability Seminar, City University of New York, NY, USA

November: Colloquium, Indiana University, Bloomington, IN, USA

December: Colloquium, N.Y. Academy of Science, NY, USA

December: Colloquium, Toronto, Canada

December: Colloquium, IAS, Princeton, USA

December: Colloquium, Lehigh University, USA

### 1989

Conferences:

June: Colloquium on Convexity, Vienna, Austria

June: International Conference on Geometry of Banach Spaces, Linz-Stroble, Austria

## Colloquium Talks and Seminars (outside Israel):

- February: Austin, Texas (Texas Seminar on Functional Analysis)
- March: College Station, Texas
- March: Indiana University, Bloomington
- April: Austin, Texas (Colloquium)
- June: IHES, Paris (Seminar-Colloq.)
- September: Columbus, Ohio
- October: Columbus, Ohio (Seminar and Colloquium)
- Detroit, MI (Colloquium)
- College Station, Texas

1990

## Conferences:

- May: Invited talk at London Math. Society meeting on Functional Analysis
- July: Conference on Convexity, Oberwolfach, Germany

## Colloquium and Seminar Talks (out of Israel):

- February: University Paris VI and VII
- Cambridge (England) (2 talks)
- June: University of Bern (colloquium)
- ETH-University of Zurich (colloquium)
- September: Moscow Mathematical Society (Moscow State University)
- Mathematical Institute (LOMI), Leningrad
- October: Yale University (colloquium)
- November: Case Western Reserve University, Cleveland (colloquium)

1992

## Conferences:

1. Venezuela (92)
2. Durham (July 92)
3. Mons (August 92)
4. College Station (September 92)

## Colloquium and Seminar Talks (out of Israel):

1. Princeton (February 92)
2. Kiel (July 92)

1993

## Conferences:

1. Oberwolfach Convexity Meeting (June)
2. Kahane Conference, Paris (July)
3. Local Theory Conference, Ascona, Switzerland (September)
4. AMS Meeting, College Station (October)

Colloquium (out of Israel):

1. Cleveland (January)

1994

Conferences:

1. International Conference on Banach Space Theory (2 main talks), Wuhan, China (April)
2. Series of Lectures, Greece (August)
3. Congress on Convexity, Paris (September)

Colloquiums and Seminar Talks:

1. Princeton (February)

1995

Conferences:

1. Haifa, Technion (invited 1 hour talk) (June)
2. Cortona, Italy (invited 1 hour talk) (June)

Colloquiums and Seminar Talks:

1. Haifa, Technion (May)
2. Toronto (February)
3. Maryland (April)
4. Columbus (April)
5. Warsaw, Banach Center Colloquium (September)
6. Warsaw, Institute of Math. Seminar (September)
7. Princeton, IAS (October)
8. Princeton University (October)

1996

Conferences:

1. MSRI, Special Program on Convexity (January-May) , 3 talks during the Program.
2. The second European Congress of Mathematicians (ECM2), Budapest, Invited Plenary Address (July)
3. Oberwolfach Meeting (September)

Colloquiums and Seminars:

1. Colloquium at Stanford Univ. (April)
2. Seminar at Paris 6 and 7 Univ. (June)
3. Colloquium at Bar Ilan Univ. (December)

1997

Colloquiums and Seminars:

1. Princeton Univ. (January)
2. Colloquium at Polytechnique Inst., New York (February)

3. Seminar at Paris VI/VII (April)
4. Colloquium at Univ. Marne-le-Valle (April)
5. Invited Lecturer, Pichorides Distinguished Lecture Series, University of Crete, Crete (August)
6. Colloquium at University of Athens, Greece
7. Convexity meeting, Oberwolfach, Germany (December)

### 1998

#### Conferences:

1. Polytechnic Inst. NY (April)
2. Edmonton, Canada (May)
3. ICM-98, Berlin – Invited Address (August)
4. Kiel

#### Colloquiums and Seminars:

1. Colloquium at Haifa Univ. (January)
2. Colloquium at Ohio Univ. Columbus, Ohio (February)
3. Seminar at Ohio Univ. Columbus, Ohio (February)
4. Colloquium at Wayne State Univ., Detroit (February)
5. Seminar at Ohio Univ. Columbus, Ohio (March)
6. Colloquium at Maryland Univ. (March)
7. Seminar at Courant Inst. (April)

### 1999

#### Conferences and Workshops:

1. Schrödinger Inst, Vienna (March, 2 talks).
2. Cortona, Italy (May)
3. Vancouver, Canada (June-July) – Organizer of Workshop
4. Tel Aviv (Visions), Israel (August) – Organizer
5. Lumini, France (September)

#### Colloquiums and Seminars:

1. Paris (February)
2. Polytechnic Inst., Vienna (March)

### 2000

#### Conferences and Workshops:

1. Organizer: Workshop on Convex Geometric Analysis, Tel Aviv (March)
2. Conference on Convexity, Ein Gedi, Israel (April)

#### Colloquiums and Seminars:

1. Marne-la-Vallée, France (February)
2. Paris 6 (February)
3. Colloquium in Harvard (May)
4. Seminars, Columbus, Ohio (September)
5. Colloquium in Cleveland (October)



2001

## Conferences and Workshops:

1. Organizer: Annual Israel Mathematics Union Meeting (June)
2. Crete (August); Organizer
3. Tropea (September)
4. Delhi, India (December)

## Colloquiums and Seminars:

1. Kiel (February; 2 talks)
2. Geneva (April)
3. Paris (June)
4. Columbus, Ohio (October)
5. IAS, Princeton (October)
6. Brooklyn, NY (October)
7. Mumbai, India (December)
8. Delhi, India ( 3 talks – December)

2002

## Conferences:

1. Biarritz, France (May, 3hrs talks)
2. Haifa University (May)
3. Technion, Haifa (May)
4. Vancouver (July, 3 talks at 3 different conferences) – Organizer: workshop of 1.5 months and conference
5. Besancon, France (September)
6. Poland (September)

## Colloquiums and Seminars:

1. Wellington, New Zealand (March)
2. Auckland, New Zealand (March)
3. Kiel, Germany (June)

2003

## Conferences:

1. Kiel, Germany (April)
2. Cortona, Italy (June)
3. Moscow, Russia (Kolmogorov 100 Conf. - June)
4. Paris, Marne-la-Valle (June)
5. Cambridge, UK (August)
6. Ottawa, Canada (October)

## Colloquiums and Seminars:

1. Kiel, Germany (January)
2. Columbus, OH (February)
3. Courant Inst., New York, USA (October)
4. Maryland Univ. (October)

5. Princeton Univ. (October)
6. Brooklyn Polytechnic Inst. (October)

## 2004

### Conferences:

1. Wellington, NZ (January – Organizer)
2. Barcelona, Spain (June – Organizer)
3. Banff, Canada (July – Organizer)
4. Snowbirds, USA (July – Organizer)
5. Indore, India (December)

### Colloquiums and Seminars:

1. Canberra, Australia (February)
2. Seattle, USA (September)
3. Brooklyn, NY (October)
4. Delhi, India (2 talks, December)

## 2005

### Conferences:

1. Florence (May)
2. Jerusalem (June – Organizer)
3. Dead Sea (June – Organizer)
4. Vienna (July – Organizer)
5. Samos, Greece (September)

### Colloquiums and Seminars:

1. Milan (May)
2. Brooklyn (February)
3. Princeton (February)
4. Athens (September)
5. Seville, Spain (September)
6. Murcia (September)
7. Zaragoza (September)
8. Brooklyn (October)

## 2006

### Conferences:

1. Murramarang Resort, Australia (February)
2. Paris trimester IHP (April-June – organizer)
3. Paris, Annual meeting of PHD (June – organizer)
4. Kharkov, Ukraine (August)
5. Caceres, Spain (September)
6. Freudenstadt, Germany (September – two talks)
7. Bonn, Germany (September)
8. Oberwolfach (December)

## Colloquiums and Seminars:

1. Perth, Australia (February)
2. Canberra, Australia (March)
3. Melbourne, Australia (March)
4. Brisbane, Australia (April)
5. Sydney, Australia (April)
6. Lille, France (May)
7. Baelajoz, Spain (September)
8. Manhattan, Kansas, US, (September – special Carl Stromberg Lecture distinguish lecture in KSU)
9. Manhattan, Kansas, US (September)
10. Princeton (October)

2007

## Conferences:

1. Odessa: 100 years of M. Krein (April)
2. Cortona, Italy (June)
3. Samos, Greece (June)
4. Ottawa, Canada (September) – Organizer
5. Rome, Italy (September) – 4 lectures

## Colloquiums and Seminars:

1. Toulouse, France (January)
2. Kiel, Germany (March)
3. Ottawa, Canada (September, CMR – U. Ottawa, Distinguished Lecture Series)
4. Montreal (September)
5. Minneapolis, Minnesota (October – Ordway Distinguished Lecture)
6. Minneapolis, Minnesota (October – two more lectures)

2008

## Conferences:

1. Columbia, Missouri (March)
2. Jerusalem, Israel (May)
3. St. Petersburg, Russia (June)
4. Budapest, Hungary (July)
5. Shanghai, China (December)

## Colloquiums and Seminars:

1. Edmonton, Canada (January)
2. Columbus, Ohio (February) – MRI, Distinguished Lecture
3. Oxford, Ohio (February)
4. Kent, Ohio (March)
5. Princeton, NJ (March)
6. Brooklyn, New York (April)
7. Orsay, France (October)

8. Orsay, France (November)
9. Seoul, South Korea (December)
10. Daejeon, South Korea (December)

## 2009

### Conferences:

1. Haifa, Israel (March)
2. Tel Aviv, Israel (June, Conference for my 70th Birthday—I didn't speak)
3. Vienna, Austria (July)
4. Florence, Italy (November – did not speak)

### Colloquiums and Seminars:

1. IAS, Princeton (January)
2. Brooklyn Polytechnic (January)
3. Courant Inst., N.Y. (February)
4. Kiel, Germany (June) (was in Kiel and Freiburg - August-September without talks)
5. Ottawa, Canada (October)
6. Toronto, Canada (November)
7. Freiburg, Germany (November)
8. Karlsruhe, Germany (November)

## 2010

### Conferences:

1. Banff, Canada (March – there is a video on web)
2. Bad Herrenalb, Germany (June)
2. St. Petersburg, Russia (July)
4. Fields Inst., Toronto (Fall – organizer of a half-year program)
5. Fields Inst., Toronto (September – Conference organizer)

### Colloquiums and Seminars:

1. Florianopolis, Brasil (2 talks, February)
2. Tel Aviv, Israel (May)
3. Kiel, Germany (May)
4. Paderborn, Germany (June)
5. Steklov Inst., Moscow, Russia (June) [Video at Steklov Inst. Coll. series, in Russian]

## 2011

### Conferences:

1. Hagoshrim/Tel Aviv (April – Organizer)
2. Almora, India (May)
2. Cortona (June)
4. Moscow (June – Medical Congress)
5. Perugia (July–August)
6. Frankfurt (September)

7. Vienna (October)
8. Chern Institute, China (December)

## Colloquiums and Seminars:

1. Tel Aviv (April)
2. Daharun, India (May)
3. Steklov Inst., Moscow (June)
4. Minneapolis (Ordway Lecture – October)
5. Minneapolis (October)

2012

## Conferences

1. Montreal (organizer; April)
2. Eilat - Haifa (May, conference; organizer)
3. Milan (May)
4. Crete (September)

## Colloquium and Seminars

1. Orsay (February)
2. Montreal (April)
3. Haifa (May)
4. Milan (May)
5. Kiel (May)  
(Paris, July, no talk)
6. Kent, Ohio (September)
7. Cleveland, Ohio (September)
8. Columbus, Ohio (October)  
(Kiel, November, no talk)

2013

## Conferences

1. Banff (March)
2. Jerusalem (May)
3. St.Petersburg (June)
4. Kharkov (June)
5. Vancouver (July)  
Kiel (November, no talk)

2014

## Conferences

- Paris (January, no talk)
1. Carmiel (February)
  2. Banff (March)
  3. Albacete, Spain (June)
  4. Bedlavo, Poland (July)
  5. Kiel (October)

## Colloquium and Seminars

Paris (January, attending workshop - no talk)

1. Canberra (February)  
Minneapolis (March, no talk)
2. Murcia (June)

2015

## Conferences

1. Paris (January)
2. Moscow (February)
3. Minneapolis (April - 2 talks, distinguished series)
4. IMU, organizer (June)
5. Mexico–Israel joint mathematical societies meeting, organizer (September)  
Oaxaca, Mexico (no talk)
6. Columbia, Missouri (November)
7. Oberwolfach, Germany (December)

## Colloquium and Seminars

1. Montreal (March)
2. NYU Polytechnic (May)
3. Berlin, 2 talks (June)
4. Columbia, Missouri (November)

2016

## Conferences

1. Tel Aviv - Noga Alon's Conference (January)
2. Oberwolfach (February)  
Kiel (no talk, March)
3. Edmonton (May)
4. Princeton (May)
5. St.Petersburg (June)
6. St. Petersburg, in the memory of Havin (June)
7. Vienna (July)  
Kiel (no talk)  
Berlin, The European Congress, mini-symposia, organizer (no talk).

2017

## Conferences

1. Eilat (May)  
Israeli-Italian math. society meeting (May. Organizer, no talk)
2. Berlin (June)
3. Poland, Bedlowo (June)
4. Kharkov (June)
5. MSRI, Berkeley (September)

## Colloquiums

1. Kiel (July)
2. Columbia, Missouri (August)

## 2018

### Conferences

1. Banff (March)
2. Spain (September)
3. Oberwolfach (December)

### Colloquiums

1. Kiel (December)

## 2019

### Conferences

1. Rehovot (February) - Olevskii 80.
2. Princeton (May) - in memory of Jean Bourgain.
3. Kharkov (June) - Pogorelov 100.
4. St. Peterburg (July).
5. My 80th birthday conference.