

(June, 2016)

## CURRICULUM VITAE

### Максим Иванов Тодоров

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[maxim.todorov@udlap.mx](mailto:maxim.todorov@udlap.mx)

Birth: February 15, 1953

Dolna Oriachovitza, Bulgaria

Position: Senior Research Associate

Current: Full Professor (Catedratico)

## ACADEMIC PREPARATION

### DEGREES

**M.Sc.** - Operations Research (1979), University of Sofia

**Ph.D.** - Semi-infinite Optimization (1987), Institute of Mathematics, Bulgarian Academy of Science

**D.Sc.** - Infinite Systems of Inequalities (2007), Institute of Mathematics & Informatics, Bulgarian Academy of Science

### ADDITIONAL STUDIES

University of Sofia (Probability & Statistics)

Plant Protection Research Institute (Mathematical Biology)

Johann Wolfgang Goethe University, Germany (Vector Optimization)

University of Alicante, Spain (Semi-infinite Optimization)

### LANGUAGES

Bulgarian - native

Spanish, Russian - excellent

English - very good

German - good

## PROFESSIONAL EXPERIENCE

### AREAS OF INTERESTS

Optimization (Semi-infinite, Convex and Vector Optimization)

Functional Analysis

Linear Algebra

### RESEARCH

1979-1982 Plant Protection Research Institute

1982-1992 Applied Mathematics Laboratory, BAS

1992- Institute of Mathematics and Informatics, BAS

1997-1998 University of Alicante, Spain - Sabbatical Year

1998-2000 BUAP University of Puebla, Mexico - Catedra Patrimonial

2000-2002 BUAP University of Puebla, Mexico

2002- UDLAP University of Puebla, Mexico

## LECTURES

1986-1989 Electrical Engineering Institute, Plovdiv, BG (Mathematical Analysis, Numerical Methods)  
1989-2009 Food Industry Institute, Plovdiv, BG (Linear Algebra & Analytical Geometry, Mathematical Analysis, Mathematical Models in Economics)  
1992-1993 Mathematical Faculty, University of Plovdiv, BG (Vector Optimization, Semi-infinite optimization)  
1996-1997 Food Industry Institute, Plovdiv, BG (Linear Algebra & Analytical Geometry, Mathematical Analysis)  
1998-2002 FCFM, BUAP University of Puebla, MX (Vector Optimization, Nonlinear Optimization, Geometry)  
2002- UDLA, Puebla, MX (Mathematical Analysis, Differential Equations, Convex Analysis)

## TUTOR

1988-1991 Mathematical Faculty, University of Plovdiv, Bulgaria  
Julia Ivanova, **M.Sc.** - defended in June, 1991  
1997-1999 University of Alicante, Spain  
Juan Parra Lopez, **Ph.D.** - defended in April, 1999  
1998-1999 BUAP University of Puebla, Mexico  
Soraya Gomez y Estrada, **Ph.D.** - defended in December, 1999  
1998-2000 BUAP University of Puebla, Mexico  
Estela de Loudrez Juarez Ruiz, **Ph.D.** - defended in May, 2000  
1998-2000 BUAP University of Puebla, Mexico  
Lidia Aurora Hernandez Rebollar, **M.Sc.** - defended in September, 2000  
1999-2001 BUAP University of Puebla, Mexico  
Guillermo Arturo Lancho Romero, **M.Sc.** - defended in November, 2001  
2001-2003 BUAP University of Puebla, Mexico  
Hilda Gonzáles Guevara, **M.Sc.** - defended in March, 2003  
2001-2003 BUAP University of Puebla, Mexico  
Enrique Gonzáles Gutiérrez, **M.Sc.** - defended in April, 2003  
2001-2003 BUAP University of Puebla, Mexico  
Mireille Rojas Romero, **M.Sc.** - defended in June, 2003  
2001-2003 UDLA, Puebla, Mexico  
Juan Antonio Navarro Perez, **University Degree** - defended in May, 2003  
2000-2004 BUAP University of Puebla, Mexico  
Lidia Aurora Hernandez Rebollar, **Ph.D.** - defended in September, 2004  
2001-2005 BUAP University of Puebla, Mexico  
Guillermo Arturo Lancho Romero, **Ph.D.** - defended in July, 2005  
2007-2008 UDLA, Puebla, Mexico  
Jorge Luis Figueroa Rodríguez, **M.Sc.** - defended in May, 2008  
2010-2011 UDLAP, Puebla, Mexico  
Carlos Armando Zetina Villamor, **M.Sc.** - defended in December, 2011  
2008-2012 BUAP University of Puebla, Mexico  
Enrique González, **Ph.D.** - defended in February, 2012  
2011-2013 BUAP, University of Puebla, Mexico  
Abraham Benito Barragan Amigon, **M.Sc.** - defended in July, 2013  
2010-2014 UPT, Maestría en Ingeniería con Especialidad en Optimización, Tulancingo, Mexico  
Ing. Javier Barrera Ángeles, **M.Sc.** - defended in January, 2014  
1995- Electrical Engineering Institute, Plovdiv, Bulgaria  
1998- BUAP University of Puebla, Mexico  
2002- UDLAP University of Puebla, Mexico

## REVIEWER

Zentralblatt fuer Mathematik (Berlin)

## REFeree

Journal of Optimization Theory and Applications  
European Journal of Operations Research  
SIAM Journal on Optimization  
Annals of Operational Research  
Journal of Convex Analysis

Pacific Journal on Optimization  
Journal of Mathematical Analysis and Applications  
Journal of Global Optimization  
Optimization  
TOP

### **MEMBERSHIP**

Union of Bulgarian Mathematicians  
Club - FMI  
International Union of Scientists  
Sistema Nacional de Investigadores SNI, Nivel III  
Sociedad Matemática Mexicana  
Miembro Fundador de la Academia de Ciencias, Puebla  
Miembro Regular de la Academia Mexicana de Ciencias

### **AWARDS**

1. Enter Sofia University without an Exam, as among the Top 16 Students at the National Mathematical Olympiad - Sofia, BG, 1972.
2. First Prize at the Competition for the Best Article of Young Scientists. Union of Bulgarian Scientists - Branch Plovdiv, BG, 1986.
3. Gold Medal at the World Exhibition of Achievements of Young Inventors - Plovdiv, BG, EXPO-91.
4. "Visitante Distinguido" of the City of Puebla, Mexico, 2002.
5. Honorary diploma and plaque of the Plovdiv University, Bulgaria, 2010.
6. Sistema Nacional de Investigadores SNI, Nivel III, 2012.
7. Included in the book "Eminent Figures of Modern Bulgaria", 2013.
8. Accepted as a Regular Member of the Mexican Academy of Sciences, 2015.

### **FELLOWSHIPS**

1. 1991 Three months at the Johann Wolfgang Goethe - University, Frankfurt am Main, granted by DFG, Germany.
2. 1993 Three months at the University of Alicante, Spain, granted by European Community.
3. 1994 Two months at the Johann Wolfgang Goethe - University, Frankfurt am Main, granted by DAAD, Germany.
4. 1995 Two months at the University of Alicante, Spain, granted by local Foundation of Valencia.
5. 1995 Three months at the Johann Wolfgang Goethe - University, Frankfurt am Main, granted by DFG, Germany.
6. 1997 One and a half year at the University of Alicante, Spain, granted by the Spanish Ministry of Education and Science.
7. 1998 Two years at the BUAP University of Puebla, Mexico, granted by CONACyT.
8. 2002 Three months at the University of Alicante, Spain, granted by local Foundation of Valencia.
9. 2006 Two months at the University of Alicante, Spain, granted by local Foundation of Valencia.
10. 2007 One month at the University of Cuyo, Mendoza, Argentina, granted by University of Cuyo.
11. 2009 One month at the University of Alicante, Spain, granted by the Spanish Ministry of Education and Science.
12. 2010 One month at the UAB University of Barcelona, Spain, granted by CRM, Catalonia.
13. 2014 One month at the UAB University of Barcelona, Spain, granted by the Spanish Ministry of Education and Science.
14. 2014 One month at the University of Alicante, Spain, granted by the Spanish Ministry of Education and Science.
15. 2014 One month at the IMPA, Rio de Janeiro, Brazil, granted by the IMPA.

### **ADMINISTRATION**

1988-1990 Research Secretary of Applied Mathematics Laboratory, Plovdiv, BG.  
1996-1998 Secretary of Section of Mathematics: Union of Scientists - Branch Plovdiv, BG.  
2006- Director of CIFMA-UDLA, Puebla, MX.

### **PROYECTS**

1. 1987-1988 Statistical analysis of the data flow in the Economic Department of the City Council of Plovdiv, BG – leader of the project.
2. 1997-1999 Approximation and Optimization, No. 3749P-E9806 with CONACyT, MX.
3. 1999-2002 Functional Analysis Methods in Approximation and Optimization, No. 32181E with CONACyT, MX.
4. 2004-2007 Semi-infinite Optimization Problems, No. 44003 with CONACyT, MX.
5. 2007-2010 Stability in Semi-infinite Optimization, No. 55681 with CONACyT, MX – leader of the project.
6. 2008-2011 Avances en Investigación Convexa, No. MTM2008-06695-C03-01, MEC, España.
7. 2012-2014 Convex Optimization with Uncertain Data: Robustness, Regularity, and Applications, MTM2011-29064-C03-02, MEC, España.
8. 2015-2019 Fundamentos, Métodos y Aplicaciones de la Optimización Continua, MTM2014-59179-C2-1-P, Ministerio de Economía y Competitividad, Secretaría de Estado de Investigación, Desarrollo e Innovación, España.
9. 2016-2016 Red Temática para Apoyo de Decisión y Optimización Inteligente en Sistemas Complejos y de Gran Escala (Formación de Redes Temáticas), CONACYT 269890 Convocatoria F0003-2016-02, MX.

## **MARITAL STATUS**

### **WIFE**

Birth: September 8, 1956  
Nadejda Jordanova Todorova  
Profession: Civil Engineer

### **CHILDREN**

Birth: December 5, 1976  
Ina Maximova Todorova  
Birth: January 18, 1982  
Jana Maximova Todorova