

CURRICULUM VITAE

Last Name: VITERBO
First and Middle Name: Claude, Michel
Born: April, 20, 1961 in Geneva (Switzerland)
Citizenship : French

Current Position: Professor Classe Exceptionnelle 2ème échelon (similar to Distinguished professor) at Université de Paris-Sud, on duty at Ecole Normale Supérieure until 2021

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Professional carrier:

2011- Professor at Ecole Normale Supérieure (Ulm), Paris (Professeur de classe exceptionnelle 2ème échelon since 2011, on leave from Paris-Sud)
2000-2011 Full-time professor at Ecole Polytechnique (Professeur de classe exceptionnelle 1er échelon since 2006, on leave from Paris-Sud)
1993- 2000 Professeur 1ère classe à l'Université de Paris-Sud, Orsay
1991-93 Professeur 2ème classe à l'Université de Paris-Sud, Orsay
1989-91 Chargé de Recherches 1ère classe au C.N.R.S., Ceremade, Université de Paris-Dauphine
1986-88 Postdoc at the Courant Institute (NYU)
1988-89 Postdoc at MSRI, Berkeley
1985-89 Chargé de Recherches 2ème classe puis 1re classe au C.N.R.S.
1980-85 Student of Ecole Normale Supérieure

Degrees:

Agrégé de Mathématiques (1983)

Thèse de 3ème cycle (1985) (directeur de recherche I. Ekeland)

Habilitation à diriger des Recherches (1989) "Topologie symplectique et systèmes Hamiltoniens". Jury: M. Gromov (président), A. Bahri, D. Bennequin, I. Ekeland, H. Hofer, J.M. Lasry, F. Laudenbach, P.L. Lions, E. Zehnder)

Prizes and Awards:

Cours de la Fondation Peccot 1990-1991

Prix Carrière de l'Académie des Sciences 1991
Lecturer at the first ECM, Paris, 1992
Prix Scientifique IBM de Mathématiques 1993
45mn lecture at the ICM, Zuerich, 1994
Junior member of Institut Universitaire de France 1995-2000
Eilenberg Chair, Columbia University, Spring 2011

Editorial Boards:

1994- Editorial Board of Annales de l'IHP
Analyse Non Linéaire.

1998-2006 Editorial Board of Séminaires et Congrès
(revue de la Société Mathématique de France)

2003- Editorial Board of Annales de La Faculté des Sciences de Toulouse

2004-2011 Editorial Board of Annales de l'École Normale Supérieure

2011- Editorial Board of Rendiconti del Seminario Matematico della Università di
Padova

Committees:

1994-98 Vice-Président of the Programme Committee of Institut Henri Poincaré.

1998-2000 Président of the Programme Committee of Institut Henri Poincaré.

2001- Member of the Programme Committee of CIMPA.
2002-2004 Vice-president of the Programme Committee of CIMPA

1995-2000 Member of the hiring committee of University of Paris 13

2001-2004 Member of the hiring committee of University of
Paris 6

2003 et 2005 Committee of DFG Schwerpunktprojekt im DifferentialGeometrie
(RFA)

2004-2006 Member of the hiring committee of University of
Paris 7

2006 Member of the hiring Committee for a Professorship in Uppsala
(Sweden)

2007 and 2017 Member of the hiring Committee for a Professorship at ETH Zuerich
(Switzerland)

- 2006-2008 Member of the Institut Universitaire de France Committee
- 2007- 2010 Vice-President of Comité National des Universités
- 2011- Member of the Scientific Board of Ecole Normale Supérieure
- 2012- 2017 President of the Conseil d'Orientation du Labex IRMIA (Strasbourg)

Administration:

- 1999-2000 Head of the team "Topologie et Dynamique" in the department of Mathématiques in Orsay
- 2000- 2006 Chairman of Centre de Mathématiques de l'Ecole Polytechnique.
- 2009- 2010 President of the Mathematics Department, Ecole polytechnique.
- 2011- 2013 Direction des Etudes du Département de Mathématiques de l'ENS
- 2013- Chairman of the Mathematics department of Ecole normale supérieure

Recent invitations:

- April 2001 2 weeks at Tel-Aviv University (Israël) and Bir Zeit (Occupied Territories)
- March 2002 One week at IAS, Princeton.
- March 2003 3 weeks at IPAM, Los Angeles
- Nov. 2003 3 weeks at ETH, Zürich
- March 2004 3 weeks at MSRI Berkeley for the semester on Real Algebraic Geometry
- June 2005 1 month at PIMS, Vancouver
- April-May 2007 2 months at Beijing University
- June 2007 1 month at PIMS, Vancouver
- March-May 2009 3months Beijing International Center for Mathematical Research, Beijing
- March 2010 1 month at MSRI
- Fall 2010 3 months at IAS Princeton

Spring 2011 6 months at Columbia University on the Eilenberg Chair

Spring 2012 One month at IAS, Princeton

Fall 2016 One month at IAS, Princeton

Main invited lectures (recent):

- June 2004 Celestial Mechanics and Hamiltonian Systems
Tianjin University, China
- June 2004 Summer School "Morse-theoretic
methods in Non-linear analysis and symplectic topology, NATO-
SMS, Montréal, Canada.
- July 2004 French-Canadian Mathematical Conference
Toulouse.
- Oct. 2004 Conference at the University of Bologna, Italy.
- Oct. 2004 'École Normale de Lyon "Equations de
Hamilton-Jacobi multi-temps et commutation de
Hamiltoniens C^0 "
- Nov. 2004 Dynamics day of the Institut
Fédératif de Jussieu.
- Nov. 2004 Mathematical Seminar at ENS Lyon
- Dec. 2004 Colloquium à l'occasion de la médaille de Bronze de
V. Colin, Université de Nantes.
- Jan. 2005 Conférence à l'Université de Strasbourg "Estimation
des nombres caractéristiques d'une variété algébrique
réelle".
- April 2005 Université de Pise, Séminaire d'Analyse.
- June 2005 Colloque d'Analyse Complexe, Luminy
- July 2005 Conférences au PIMS, Vancouver, BC, Canada.
- Jan. 2005 Conference in the memory of Anatoly Vitushkin,
Steklov Institute, Moscou

- Oct. 2005 Colloquium at Université de Rennes.
- Oct. 2005 Talk at the semestre on real Algebraic Geometry, Institut Henri Poincaré, Paris
- Oct. 2005 Colloquium at Munich University (LMU).
- May 2006 Conference Postech-Ecole polytechnique Pohang, Corée.
- June 2006 Complex analysis, Luminy
- Jan. 2007 Geometry Seminar, Université de Montpellier.
- March 2007 Conference in the honour of J.-M. Bismut, Chern Institute, Nankai
- April 2007 Conference on symplectic geometry, Clay Institute, Cambridge, USA
- May 2007 Conference Calculus of Variations, Chern Institute, Nankai,
- June 2007 Conference in the honour of Yasha Eliashberg, Stanford
- July 2007 Conference on Symplectic geometry, Kyoto, Juillet 2007
- Jan. 2007 Conference for ANR Symplexe, Lyon on Floer Homology.
- Jan. 2007 Series of lectures on "Floer homology and complex geometry", Rencontres de Géométrie et analyse complexe, Luminy.
- Dec. 2007 Colloquium of the Mathematics department, Institut Fourier, Grenoble
- Dec. 2007 Colloquium of the Mathematics department, Université de Bordeaux
- May 2008 Floer theory and Symplectic dynamics, CRM, Montréal
- May 2008 "Glimpses of Geometry", ENS Lyon
- June 2008 Conference on Real Algebraic Geometry, Lausanne, Switzerland
- Aug. 2008 Conference in the honour of Sandro Graffi, Bologna, Italie
- May 2009 Symplectic Geometry and Physics, BICMR, Beijing, China
- Mai 2009 "International Conference on Variational Methods" , Nankai University, China

June 2009 New connections between dynamical systems and Hamiltonians PDE, Maiori, Italy

June 2009 Journée Solstice, Chevaleret, Paris

June 2009 Differential Geometry Seminar, Montpellier, France

Oct. 2009 Geometry seminar, Avignon

Jan. 2010 Conference for Marc Chaperon's 60th birthday

March 2010 Symplectic Topology, Puzzles and Horizons, MSRI, Berkeley

March 2010 Colloquium lecture, Stanford University

Nov. 2010 Edi Zehnder 70th birthday, Zürich

Sept-Dec 2010 Graduate course "sheaf theory and symplectic topology", Princeton University

Feb. 2011 Colloquium lecture, Courant Institute, NYU
 Colloquium lecture Columbia University
 Workshop on Symplectic Geometry and Topology, University of Kyoto, Japan

Feb-Apr 2011 Eilenberg Lectures, Columbia University

May 2011 Colloquium lecture, Rutgers University
 Georgia Topology conference

Oct. 2011 Arnold Memorial Conference, Edinburgh

Fev-Avr 2011 Eilenberg Lectures, Columbia University

May 2011 Colloquium lecture, Rutgers University, Georgia Topology conference

Octobre 2011 Arnold Memorial Conference, Edinburgh

Mars 2012 Colloque en l'honneur de Daniel Benequin, Paris

Juillet-Août 2012 Ecole d'été de l'Université Joseph Fourier de Grenoble (3 conférences)

Avril 2013 Exposé à l'occasion du Comité éditorial des Rendiconti del Seminario Matematico di Padova

Juin 2013 Conférence en l'honneur de Dietmar Salamon, ETH Zürich

Juillet 2013 Conférence en l'honneur de Nassif Ghoussoub, UBC, Vancouver, Canada

Septembre 2013 Conférence à l'IMPA, Rio de Janeiro, Brésil

Jan 20-24, 2014, C0-symplectic topology and dynamical systems, Pohang, Corée

Avril 2014 AIM PAlo Alto : The Maslov index

Feb 2014 VIII Workshop on Symplectic Geometry, Contact Geometry, and Interactions., Lisboa, Portugal

Jan 2015 Conférence à l'Université de Shanghai et de Nanjing, Chine

June 2015 Moduli Spaces in Symplectic Topology and in Gauge Theory, CIRM Marseille

Sept. 2015 Lalonde Fest, Montréal

March 2016 Mini-Workshop on Symplectic Geometry, Utrecht University

Oct. 2016 Quantification des Lagrangiennes, Séminaire « J.-M. Bismut », Orsay

Nov. 2016 IAS, Princeton, Sheaf Quantization of Lagrangians

Dec. 2016 Talk at Rutgers University « Witten Laplacian and Barannikov complex »

Jan. 2017 Weak KAM, Last stop to Bordeaux, Bordeaux

Feb. 2017 Homologie persistante et complexe de Barannikov (Paris-Nord)

Mars 2017 Quantization of Lagrangians, ETH Zürich

June 2017 Rectification du faisceau de Floer et quantification de Lagrangiennes, Séminaire Symplectix, IHP, PARIS

July 2017 Dynamische Systeme, Oberwolfach

Nov. 2017 Workshop on Hamiltonian systems, Centro Franscini, Ascona
Conference on the occasion of Sikorav's 60th birthday

General audience talks

Nov. 2001 Colloque Histoire des géométries au 20ème siècle "L'indice de Maslov"

Octobre 2004: "Napoleone, la matematica e l'École polytechnique" on the occasion of the play "Napoleone Magico Imperatore" in Bologna

April 2005: "La rappresentazione della matematica nella letteratura francese del otto e novecento" (Représentation des mathématiques dans la littérature française des 19 et 20ème siècles) Scuola Normale Superiore di Pisa.

Nov. 2016 : Talk on the occasion of the naming of the department of mathematics of Padova University as « Dipartimento Tullio Levi-Civita »

(Co)-Organized conferences and Seminars

Since 2000: Symplect'X Symplectic Geometry seminar at Ecole polytechnique

June 2005: Co-organizer of the
Colloque de la Topologie à la Géométrie Symplectique, Nantes

Jan 2007- Co-organizer of the Workshop on Symplectic contact geometry and interactions (held in Lille 2007, Bruxelles 2008, Strasbourg 2009, Paris 2010)

July 2007 (with A. Fathi and Y.G. Oh)
Symplectic Topology and Measure-Preserving Dynamical Systems, Snowbird

June 2009 Summer School on Real algebraic and symplectic geometry, IHP, Paris.

Jan. 2010 Organizer of the Workshop on Symplectic contact geometry and interactions, 4th edition, IHP, Paris.

May 2011 Workshop at IAS, Sheaf theoretical methods in Symplectic topology (with H. Hofer).

Fall 2012 Etats de la Recherche, "Géométrie symplectique et de contact" Paris IHP, Oct. 2012

18-20 June 2014 Conférence pour les 70 ans d'Ivar Ekeland

Juin 2016 Analysis in the large, Helmut Hofer's 60th birthday, ETH Zürich (with T. Rivière et P. Biran)

July 2016 Summer School of the Institut Mathématique de Jussieu, « Symplectic topology, sheaves and mirror symmetry »

ANR projects:

2005-2008: Interactions et aspects énumératifs des géométries réelles, tropicales et symplectiques (GRTS)

2006-2008 Symplexe
2009-2012 Floer Power
2016-2019 Sheaf theory and symplectic geometry

PhD Students:

Nabil Sioufi: Thèse “ Horizons et capacités symplectiques associés à des ouverts non bornés ou à des classes d'homotopie ” March 1994

David Th  ret: “Utilisation des fonctions g  n  ratrices en g  ometrie symplectique globale ” Jan. 96

David Hermann: “ Homologie symplectique et   paisseur de Gromov ”,
Jan. 1998

Alexandru Oancea: “ In  galit  s isop  rim  triques ”, Jan. 2003

Anne-Laure Biolley: “ Homologie de Floer et hyperbolicit   complexe ”, Dec. 2003

Vincent Humili  re: "Notions de Convergence et capacit   symplectique", July 2008

Beno  t Tonnelier: "Vari  t  s coisotropes en g  ometrie symplectique-Quasi-  tats", June 2010

Nicolas Vichery: "G  n  ralisations et   tude de l'Homog  nisation symplectique" Jan. 2013

Jaime Bustillo : « Hamiltonian PDE and symplectic topology »