

Invite

CURRICULUM VITAE

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PERSONAL INFORMATION

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Present Position: Professor at University Paris-Diderot- Paris VII, Institut de Physique du Globe, Paris, France.

ACADEMIC CURSUS

2011-2016: Senior member of Institut Universitaire de France .

1994-1999: Junior member of Institut Universitaire de France.

1986-1988: Post-doctoral fellowship, Seismological Laboratory, California Institute of Technology (Pasadena- California) under the supervision of Professor Don Anderson.

1981-1986: State Thesis (Univ. Paris VI- CEA- 1986): "Deep Structure of the mantle from seismic surface waves".

1979-1981: 3rd cycle Thesis (Univ. Paris VI- oct. 1981): "Deep structure of the Pacific Ocean"

1974-1979: Masters in Physics in Orsay University (Univ. Paris XI) - D.E.A. of Solid Earth Geophysics - "Agrégation" of Physics. (highest academic- rank qualification after passing competitive national test- 1979)

1974-1979: Position in Ecole Normale Supérieure (Physics, Cachan).

1972-1974: Math-Sup, Math-Spe (Preparatory classes), Lycée Descartes, Tours (37, France).

AWARDS

- Nomination to IUF (University Institute of France) as senior member: 2011
- Beno Gutenberg Medal EGU (European Geosciences Union): 2010
- Fellow of the AGU (American Geophysical Union): 2004
- Bronze medal of CNRS: 1988 (given to the best young scientists)
- Nomination to IUF (University Institute of France) as junior member: 1994

EMPLOYMENT

01/2008-04/2008, 03/2009-04/2009, 05/2010-06/2010: Visiting Professor at ERI (Earthquake Research Institute, University of Tokyo, Japan)

01/2003-09/2006: Director of Dept. STUE (Earth, Astronomy and Environment Sciences) at MRNT (Ministry of Research and New Technologies) then MESR (Ministry of Higher Education and Research).

08/2001- 07/2002: Visiting professor at California Institute of Technology, Seismolab and J.P.L. (Pasadena, CA, U.S.A.)

Undergraduate level: Mathematics for Geophysics, Global Geodynamics, Gravimetry, Introduction to Seismology. The planet Earth, history and Environment.

Graduate level: Advanced Seismology, Seismology and Geodynamics, Seismic Imaging Techniques. For PhD students: Anisotropy in Earth sciences; Seismic noise.

- Coordinator of the European training site Seismo-IPG (2000-2004) (PhD students, Post-docs)
- French Coordinator of the European Training Network SPICE (2003-2007) and QUEST (2009-2013)(PhD students, Post-docs)
- Coordinator of the Erasmus Mundus Programme 2- Doctorate GeoDES (Geosciences Doctoral European School) submitted in April 2011.

STUDENT TRAINING

Undergraduate level: 27 students (Batchelor, 1st year of Mastère degree, "Maîtrise" training course),

Graduate level: 26 students in D.E.A. or Mastère Research (2nd year),

32 PhD students. (5 have positions in Universities, 2 in High school, 6 in CNRS (5 scientists, 1 research engineer), 9 in private companies, 2 in post-doc, 7 still in PhD-thesis).

PROFESSIONAL SERVICES SINCE 1990

- 2011-2015: Responsible of international relations, I.P.G., Paris.
- 2009-2013: Chair of the Scientific Board of the European ITN (Initial Training Network) QUEST
- 2006-2010: Scientific Committee of IPEV (French Institute of Polar Research).
- 2006-2011: Scientific Committee of LIA-CNRS Montessus (Chilean-French laboratory).
- 2006-2010: Scientific Committee of CEFIPRA- IFCPAR (Indo-French Committee for the Promotion of Advanced Research).
- 2006-2010: Governing Board of Observatoire de Paris.
- 2005-2007: President of the Steering Committee of the ANR Programme "Catastrophes Telluriques".
- **2003- 2006: Director of Dept. STUE** (Earth, Astronomy and Environment Sciences) at MRNT (Ministry of Research and New Technologies) then MESR (Ministry of Higher Education and Research).
- **1997- 2003: Director of the Seismology Department**, UMR-CNRS7580, Institut de Physique du Globe de Paris.
- 1990- 2007: Director of the Global Seismological Group, Department of Seismology, Institut de Physique du Globe de Paris.
- **1990- 2000: Director of Programme GEOSCOPE.**
- 1993-1997: Chairman of F.D.S.N. (Federation of Digital Seismograph Networks):.
- **1991-1994: Consultant of the Ministry of Education and Research.**
- 1999-2003: Secretary of I.O.N. (International Oceanic Network).
- 1993- 1999: Vice- Chairman of I.O.N. (International Oceanic Network).
- 1993- 1999: Coordinator of the French Program OFM (Observatoire Fond de Mer: Ocean Bottom Observatory).
- 1993- 2002: Scientific Committee of ODP-France:.
- 1995- 2001: Scientific Committee of IFRTP (French Institute of Polar Territories Research).
- 1991-1994: Vice- Chairman of F.D.S.N. .
- 1991-1997: Member of the Steering Committee of Orfeus.

OTHER ACTIVITIES.

- July 2014: Co-organizer of the Joint workshop LANL- IPGP- Los Alamos, New Mexico, USA. (30 participants)
- May 2013: Organizer of the workshop European-ITN-QUEST, Benodet, France (1200 participants).
- March 2013: Co-organizer of the Joint workshop ERI-IPGP, Tokyo (30 participants).
- July 2012: Organizer of the Joint workshop IPGP-LANL-IL, Paris (40 participants).
- October 2011: Co-organizer of the Joint workshop ERI-IPGP, Paris (60 participants).
- October 2011: Co-organizer of the Mid-Term Review Meeting of ITN-QUEST, Paris (50 participants).
- April 2011: Organizer of the Joint workshop LANL- IPGP- Los Alamos, New Mexico, USA. (30 participants)
- April 2011: Co-convenor Session "The Quest project: progress on inverting seismic waveforms...", E.G.U. General Assembly, Vienna.
- January 2011: Co-organizer of the Joint workshop CEFIPRA-IFCPAR IPGP-NGRI. Mahabalipuram, India. (30 participants)
- November 2010: Member of the Review committee of Institute of Geophysics, Academy of Sciences, Czech Republic.
- June-August 2010: Member of the Gutenberg Medal committee of E.G.U.
- June 2010: Co-organizer of the workshop IPG "Homage to Albert Tarantola" (100 participants)
- April 2010: Co-convenor Session Time Reversal, SSA meeting, Portland, USA.
- September 2009: Member of nomination of Fellow Committee for Seismology (AGU).
- July 2009: Co-Convenor (V. Masson-Delmotte) of the Session "Terre-Climat" at the Symposium of S.F.P. (Société Française de Physique), Ecole Polytechnique, Palaiseau, France.
- June 2009: Member of the Review committee of Earthquake Research Institute, Univ. of Tokyo, Japan.
- April 2009: Co-organizer of the Joint workshop ERI-IPG. Tokyo University (40 participants)
- Jan. 2007-June 2009 : Editor of a special issue Earthquakes in subduction zones : a multidisciplinary approach , Phys. Earth Planet. Int., 175, 2009.
- October 2008: Organizer of the workshop, Ecole de Physique des Houches, France (70 people).
- May 2007: Organizer of the annual SPICE workshop, Ecole de Physique de Cargèse, Corsica, France (90 people).
- March 2007: Co-organizer of a workshop "Une Terre Anisotrope", IPG Paris (50 people).
- Nov. 2006: Organizer of the International Conference "1906 Valparaiso Earthquake- the contribution of F. Montessus de Ballore", Santiago, Chili.
- March 2006: Member of Evaluation committee of European Programme ECORD.
- March 2006: Member of the Review committee of OHP Program (ERI, Tokyo, Japan).
- 2005-2007: President of the Steering Committee of ANR Program "Catastrophes Telluriques".
- April 2005, 2006: Convener of the Session Core and deep mantle , EGU, Vienna.
- Nov. 15-16, 2004: Organizer of a colloquium in Ministry of Research "Observatories for environmental Research".
- 2004-2005: Member of Lehmann Committee (AGU), 2004-05
- April 2004: Convener Session Deep Earth , EGU, Nice.
- Sept. 22-27, 2003: Co-organizer of interdisciplinary workshop "Imaging of complex media with acoustic and seismic waves" (90 people), Cargese, France.
- April 2002: Convener Session Geophysical Instrumentation, EGS, Nice.
- July 9-14, 2001: Co-organizer of interdisciplinary workshop "Imaging of complex media with acoustic and seismic waves" (90 people), Cargese, France.
- April 26- May 8, 1999: Co-organizer of interdisciplinary workshop "Imaging of complex media with acoustic and seismic waves" (90 people), Cargese, France.

- 28-30 Oct. 1997: Organizer of IUF workshop "Aux Frontieres des Geosciences" (400 people), ENS, Lyon.
- Aug. 1997: Convenor of Symposium "Geodynamics and Seismic Anisotropy", IASPEI meeting, Thessaloniki.
- 4-9 May, 1996: Convenor of Symposium "10th Anniversary of the FDSN", EGS meeting, The Hague.
- 11-13 January 1995: Co-organizer of workshop ODP-ION "Multidisciplinary Observatories on the deep sea floor", Marseille.
- September 1992: Organizer of Symposium "10 Years of GEOSCOPE - Broadband Seismology", Paris.
- August 1991: Convenor of Symposium S4 (Seismic Anisotropy) of I.U.G.G. meeting (International Union of Geophysics and Geodesy), Wien, Austria.
- October 1991: Co-organizer of workshop "Seismic Anisotropy and Geodynamics", Montpellier.

Invited Conferences, 2001-2014 (Not during International Conferences.)

2015

Mars: NoMan conference, Japan.

February: International Conference on LAB, British Geophysical Association, London, UK
UCL, London, UK

2014

December: ETH Zurich, Switzerland

October: School LABEX, Firenze, Italy

July: LANL, Los Alamos, New Mexico, USA

May: University Lisbon, Portugal

April: Workshop Earth Science Europe, Paris.

March: University Oxford, England

2013

December: GeolNancy, France

November: College de France, Paris, France

November: NGRI, Hyderabad, India

September: ETH Zurich

July: Harvard University, Cambridge, USA

June: Massachusetts Institute of Technology, Cambridge, USA.

May: QUEST workshop, Benodet, France.

April: Ambient Noise Workshop, Cargese, France.

April: EGU general meeting in Session on Tomography, Vienna, Austria.

March: workshop IPGP-ERI, Tokyo.

2012

November: NIED, Tsukuba,

November: French embassy workshop, Tokyo, Japan.

October: OHRC-ERI, Tokyo.

July: Joint workshop IPGP-LANL-Institut Langevin, Paris

February: Virgo week, Pisa, Italy

2011

December: Ecole Télécom, Paris, France

October: Todai Forum, ENS Lyon.

September: Ecole des Mines, Douai, France.

August: ETH Zurich, Switzerland.

May: Cargese workshop on Passive Imaging, France.

April: LANL-IPG workshop, Los Alamos, U.S.A.
February: CEFIPRA Workshop, Chennai, India.
2010
September: School ICTP Trieste
June 21: Tarantola Homage, Paris.
June 10: Dept. Earth Sciences, University of Sapporo, Hokkaido, Japan.
May 27: JpGU meeting, Tokyo, Japan
May 17-20: International workshop "Continental Geodynamics", CUG Wuhan
April: EGU, Vienna (for the Beno Gutenberg medal ceremony).
February: I.P.G. Paris
January: Institut Henri Poincaré, Paris.
2009:
November: Geosciences, Université de Montpellier, France.
October: NGRI, Hyderabad, India
October: Franco-Japanese conference on Earthquake source, Orleans, France.
July: Orfeus workshop, Utrecht, Netherlands.
May: Collège de France, Paris
April: Workshop ERI-IPG, University of Tokyo, Japan.
January: Workshop Berkeley-IPGP
2008:
November: LMU, Munich, Germany.
October: Workshop Les Houches, France
September: ICTP, Trieste, Italy
June: Conférence grand public, Palais de la Découverte, Paris.
April: T.I.T., Tokyo, Japan.
March: University of Kyoto, Japan.
March: Workshop Seafloor observatories, Tokyo, Japan.
February: JAMSTEC, Yokohama, Japan.
January: Earthquake Research Institute, Tokyo, Japan.
January: DEPS, University of Tokyo, Tokyo, Japan.
2007:
October: Institute of Himalyan Geology, Dehra Dun, India.
October: Workshop "Acoustical Imaging of complex media", Cargese, France.
May: Annual SPICE meeting, Cargese, France
March: Colloque SEDIT, Lyon, France.
January: Conférence grand public sur les Panaches mantelliques, Museum National d'Histoire Naturelle.
January: GDR Ondes - IMCODE, Institut Henri Poincaré, Paris.
2006:
November: International Conference Montessus de Ballore, Santiago, Chili.
September: Colloque "La Réunion face aux risques naturels", CG de Saint-Denis, La Réunion.
September: ICTP, Trieste, Italy
July: Annual SPICE meeting, Kinsale, Ireland.
June: Russian - French cooperative research program Workshop, Paris.
March: Earthquake Research Institute, Tokyo University, Japan
2005:
March: Cefipra, New Delhi, India.
April: Dept. Geophysics and Geology, University of Santiago, Chile.
July: Workshop "Acoustical Imaging of complex media", Cargese, France.

August: International workshop "Utilization of seismograph networks within GEOSS", Washington DC, USA.

2004:

December: AGU fall meeting, invited talk.

October: ICTP, Trieste, Italy.

August: Ecole des Houches Géophysique, Exposé d'introduction.

May: Spring AGU, Montréal, Invited Talk.

2003:

November: MNHN, OCIM, Dept. des Galeries, Paris.

June: U. Gottingen, Germany.

March: U. Colorado, Boulder, USA.

January: Assemblée générale du CNFGG.

January: Grande Galerie de l'Evolution- Exposition "Himalaya- Tibet: le choc des continents".

January: Laboratoire d'Imagerie Parametrique, Faculté de Médecine, Université Paris VI.

2002:

October: ICTP, Trieste, Italy.

August: Erice, Ettore Majorana Physics School, Italy.

June: Martian program- JPL, Pasadena, USA.

May: Earth Sciences- Stanford university

May: EAPS- UCLA, Los Angeles.

April: USGS, Menlo Park, USA.

February: GPS- CALTECH, Pasadena, USA.

2001:

November: Seismolab- UC Berkeley, Berkeley, USA.

September: Seismolab- Caltech, USA.

June: Earth Sciences- ETH, Zurich, Switzerland.

January: ION-OHP Symposium, Mount Fuji, Japan.

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PUBLICATIONS in Peer-reviewed journals

- 1- Montagner, J.P. and N. Jobert, Investigation of upper mantle structure under young regions of the South-East Pacific using long-period Rayleigh waves, *Phys. Earth Planet. Int.*, **27**, 206-222, 1981.
- 2- Montagner, J.P. and N. Jobert, Variation with age of the deep structure of the Pacific Ocean inferred from very long-period Rayleigh wave dispersion, *Geophys. Res. Lett.*, **10**, 273-276, 1983.
- 3- Dorbath L. and J.P. Montagner, Upper mantle heterogeneities in Africa deduced from Rayleigh wave dispersion, *Phys. Earth Planet. Int.*, **32**, 218-225, 1983.
- 4- Montagner, J.P., Seismic anisotropy of the Pacific Ocean inferred from long -period surface waves dispersion, *Phys. Earth Planet. Int.*, **38**, 28-50, 1985.
- 5- Bethoux, N., F. Petit, J.P. Rehaut, B. Massinon, and J.P. Montagner, Several location methods for underwater shots in the Gulf of Genoa (Western Mediterranean): Structural implications, *Tectonophys.*, **128**, 357-379, 1986.
- 6- Montagner, J.P., Regional three-dimensional structures using long-period surface waves, *Ann. Geophys.*, **4**, B3, 283-294, 1986a.
- 7- Montagner, J.P., Three- dimensional structure of the Indian Ocean inferred from long- period surface waves, *Geophys. Res. Lett.*, **13**, 315-318, 1986b.
- 8- Montagner, J.P., and H.C. Nataf, A simple method for inverting the azimuthal anisotropy of surface waves, *J. Geophys. Res.*, **91**, 511-520, 1986.
- 9- Roullet, G., D. Rouland, and J.P. Montagner, Phase velocity distribution in the Indian Ocean inferred from Geoscope records, *Geophys. Res. Lett.*, **14**, 343-346, 1987.
- 10- Montagner, J.P. and H.C. Nataf, Vectorial Tomography. I: Theory, *Geophys. J.R. astr. Soc.*, **94**, 295-307, 1988.
- 11- Montagner, J.P. and N. Jobert, Vectorial Tomography. II: Application to the Indian Ocean, *Geophys. J.R. astr. Soc.*, **94**, 309-344, 1988.
- 12- Montagner, J.P., D. Rouland and G. Roullet, Structure profonde de l'Océan Indien déduite des ondes sismiques, Actes du Colloque sur la Recherche Française dans les Terres Australes, 381-390, 1988.
- 13- Hadiouche, O., N. Jobert, and J.P. Montagner, Anisotropy of the African continent inferred from surface waves, *Phys. Earth Planet. Int.*, **58**, 61-81, 1989.
- 14- Ho-Liu, P., J.P. Montagner, and H. Kanamori, Comparison of Iterative Back-projection Inversion and Generalized Inversion without blocks: Case studies in Attenuation Tomography, *Geophys. J.*, **97**, 19-29, 1989.
- 15- Mocquet, A., B. Romanowicz, and J.P. Montagner, Three-dimensional structure of the upper mantle beneath the Atlantic Ocean inferred from long period Rayleigh waves. I: Group and phase velocity distributions *J. Geophys. Res.*, **94**, 7449- 7468, 1989.
- 16- Montagner, J.P., and Don L. Anderson, Petrological constraints on seismic anisotropy, *Phys. Earth Planet. Inter.*, **54**, 82-105, 1989a.
- 17- Montagner, J.P., and Don L. Anderson, Constrained reference Earth model, *Phys. Earth Planet. Int.*, **58**, 205- 227, 1989b.
- 18- Montagner, J.P., P. Ho-Liu, and H. Kanamori, Reply to comment by J. Trampert, *Geophys. J. Int.*, **103**, 757- 758, 1990.
- 19- Roullet, G., B. Romanowicz and J.P. Montagner, 3D upper mantle shear velocity and attenuation from fundamental mode free oscillation data, *Geophys. J. Int.*, **101**, 61-80, 1990.
- 20- Montagner, J.P. and T. Tanimoto, Global anisotropy of the upper mantle inferred from the regionalization of phase velocities, *J. Geophys. Res.*, **95**, 4797- 4819, 1990.
- 21- Montagner, J.P., and T. Tanimoto, Global upper mantle tomography of seismic velocities and anisotropies, *J. Geophys. Res.*, **96**, 20,337- 20,351, 1991.

- 22- Ho-Liu P., Johnson C., Montagner J.P., Kanamori H., Clayton R.W., Three-Dimensional attenuation structure of Kilauea-East Rift zone, Hawaii, *J. Geophys. Res.*, Fate unknown, 1992.
- 23- Bussy, M., J.P. Montagner, and B. Romanowicz, Tomographic study of upper mantle attenuation in the Pacific Ocean, *Geophys. Res. Lett.*, **20**, 663-667, 1993.
- 24- Humler, E., J.L. Thiriot, and J.P. Montagner, Global correlations of ocean ridge basalt chemistry with seismic tomographic images, *Nature*, **364**, 225-228, 1993.
- 25- Mainprice, D., A. Vauchez, and J.P. Montagner, Special Issue: Seismic Anisotropy in the Mantle and Geodynamics of Orogenic belts, Preface, Workshop La Grande Motte, France (Oct 1-3, 1991), *Phys. Earth Planet. Int.*, **78**, 1993.
- 26- Montagner, J.P., and B. Romanowicz, Degrees 2, 4, 6 inferred from seismic tomography, *Geophys. Res. Lett.*, **20**, 631-634, 1993.
- 27- Stutzmann, E., and J.P. Montagner, An inverse technique for retrieving higher mode phase velocity and mantle structure, *Geophys. J. Int.*, **113**, 669-683, 1993.
- 28- Montagner, J.P., Can Seismology tell us anything about convection in the mantle? *Rev. Geophys. Space Phys.*, **32**, 115-137, 1994.
- 29- Montagner, J.P., J.F. Karczewski, B. Romanowicz, S. Bouaricha, P. Lognonné, G. Roul, E. Stutzmann, J.L. Thiriot, D. Fouassier, J.C. Koenig, J. Savary, L. Floury, J. Dupond, A. Echardour, H. Floc'h, The French Pilot experiment OFM/SISMOBS: First scientific results on noise and event detection, *Phys. Earth Planet. Int.*, **84**, 321-336, 1994.
- 30- Montagner, J.P., B. Romanowicz, and J.F. Karczewski, The French Pilot experiment OFM/SISMOBS: A first step towards a permanent geophysical observatory, *EOS*, **75**, 150-154, 1994.
- 31- Roul, G., D. Rouland, and J.P. Montagner, Antarctica II: upper mantle structure from seismic velocities and anisotropy, *Phys. Earth Planet. Int.*, **84**, 33-57, 1994.
- 32- Stutzmann, E., and J.P. Montagner, Tomography of the transition Zone from the inversion of higher mode surface waves, *Phys. Earth Planet. Int.*, **86**, 99-115, 1994.
- 33- Montagner, J.-P., E. Stutzmann, and Y. Capdeville, Hotspot detection from Seismological data. In D. Anderson, S. Hart and A. Hofmann (Eds) *Plume 2, Terra Nova*, **3**, 103-106, 1995.
- 34- Montagner, J.P., Surface waves on a global scale - Influence of anisotropy and anelasticity, Summer School of Erice, "Seismic Modeling of the Earth's Structure", Eds. Boschi, Ekstrom, Morelli, pp. 81-148, 1996.
- 35- Beauduin, R., P. Lognonné, J.-P. Montagner, S. Cacho, J.-F. Karczewski, M. Morand, The effects of the atmospheric pressure changes on seismic signals or how to improve the quality of a station, *Bull. Seismol. Soc. Am.*, **86**, 1760-1769, 1996.
- 36- Beauduin, R., J.-P. Montagner, J.-F. Karczewski, Time evolution of broadband seismic noise during the French Pilot experiment OFM/SISMOBS, *Geophys. Res. Lett.*, **23**, 2995-2998, 1996.
- 37- Lavé, J., J.-P. Avouac, R. Lacassin, J.-P. Montagner, and P. Tapponnier, Seismic anisotropy beneath Tibet: Evidence for eastward extrusion of the Tibetan lithosphere, *Earth Planet. Sci. Lett.*, **140**, 83-96, 1996.
- 38- Montagner, J.P., and B.L.N. Kennett, How to reconcile body-wave and normal-mode reference Earth models? *Geophys. J. Int.*, **125**, 229-248, 1996.
- 39- Ricard, Y., H.C. Nataf, and J.P. Montagner, The 3S-MAC model: Confrontation with seismic data, *J. Geophys. Res.*, **101**, 8457-8472, 1996.
- 40- Vinnik, L.P., and J.-P. Montagner, Shear wave splitting in the mantle Ps phases, *Geophys. Res. Lett.*, **23**, 2449-2452, 1996.
- 41- Gouget, K., P. Lognonne, and J.-P. Montagner, CMT determination by inversion of long period waveform inversion in a laterally heterogeneous Earth, *Geophys. Res. Lett.*, 1997.
- 42- Vinnik, L.P., S. Chevrot, and J.-P. Montagner, Evidence for a stagnant plume in the transition zone, *Geophys. Res. Lett.*, **24**, 1007-1010, 1997.

- 43- Babuska, V., J.-P. Montagner, J. Plomerova, and N. Girardin, Age-dependent large scale fabric of the mantle lithosphere as derived from surface-wave velocity anisotropy, *P. Appl. Geophys.*, **151**, 257-280, 1998.
- 44- Chevrot, S., J.-P. Montagner, and R. Snieder, The spectrum of tomographic Earth models, *Geophys. J. Int.*, **133**, 783-788, 1998.
- 45- Gouget, K., P.F. Ihmle, J. Campos, and J.-P. Montagner, Self-consistent retrieval of source parameters using mantle waves, *Bull. Seismol. Soc. Am.*, **88**, 995-1002, 1998.
- 46- Griot, D.-A., J.-P. Montagner, and P. Tapponnier, Surface wave phase velocity and azimuthal anisotropy in Central Asia, *J. Geophys. Res.*, **103**, 21215-21232, 1998a.
- 47- Griot, D.-A., J.-P. Montagner, and P. Tapponnier, Heterogeneous versus homogeneous strain in Central Asia, *Geophys. Res. Lett.*, **25**, 1447-1450, 1998b.
- 48- Montagner, J.-P., Where is located seismic anisotropy in the Earth mantle? In boundary layers..., *Pure appl. geophys.*, **151**, 223-256, 1998.
- 49- Montagner, J.-P., P. Lognonné, J.-F. Karczewski, G. Roult, E. Stutzmann, and R. Beauquin, Towards a multiscalar and multiparameter network for the next century, the French efforts, *Phys. Earth Planet. Int.*, **108**, 155-174, 1998.
- 50- Romanowicz, B., Stakes, D.S., J.-P. Montagner, P. Tarits, R. Urhammer, M. Begnaud, E. Stutzmann, M. Pasyanos, J.-F. Karczewski, S. Etchemendy, D. Neuhauser, MOISE: A Pilot experiment towards long-term sea-floor geophysical observatories, *J. Phys. Earth*, **50**, 927-937, 1998.
- 51- Silveira, G., E. Stutzmann, J.-P. Montagner, and L. Mendes-Victor, Anisotropic tomography of the Atlantic Ocean from Rayleigh surface waves, *Phys. Earth Planet. Int.*, **106**, 259-275, 1998.
- 52- Stakes, D.S., B. Romanowicz, J.-P. Montagner, P. Tarits, J.-F. Karczewski, S. Etchemendy, C. Dawe, D. Neuhauser, P. McGill, J.-C. Koenig, J. Savary, M. Begnaud, and M. Pasyanos, Seismic experiment paves way for long-term seafloor observatories, *E.O.S.*, **79**, 303-309, 1998.
- 53- Thiriot, J.L., J.P. Montagner, and L. Vinnik, Upper mantle discontinuities in a subduction zone: evidences for large lateral variations, *Phys. Earth Planet. Int.*, **108**, 61-80, 1998.
- 54- Vinnik, L.P., S. Chevrot, and J.-P. Montagner, Seismic evidence of flow at the base of the upper mantle, *Geophys. Res. Lett.*, **25**, 1995-1998, 1998.
- 55- Beucler, E., S. Chevrot, and J.-P. Montagner, The Snake River Plain experiment revisited. Relationships between a Farallon plate segment and the transition zone, *Geophys. Res. Lett.*, **26**, 2673-2676, 1999.
- 56- Chevrot, S., L. Vinnik, and J.-P. Montagner, Global patterns of upper mantle from Ps converted waves, *J. Geophys. Res.*, **104**, 20203-20219, 1999.
- 57- Harri, A.-M., O. Marsal, P. Lognonné, ... Netlander Science Team (J.-P. Montagner), Network Science Landers for mars, *Adv. Space Res.*, **23**, 1915-1924, 1999.
- 58- Lognonné, P., D. Giardini, B. Banerdt, J. Gagnepain-Beyneix, A. Mocquet, T. Spohn, J.-F. Karczewski, P. Schibler, S. CAcho, W.T. Pike, C. Cavoit, A. Desautez, J. Pinassaud, D. Breuer, M. Campillo, P. Defraigne, V. Dehant, A. Deschamps, J. Hinderer, J.-J. Lévêque, J.-P. Montagner, J. Oberst, The NetLander Very Broadband Seismometer, *Planet. Space Sc.*, **48**, 1289-1302, 2000.
- 59- Montagner, J.-P., Plume detection from seismological data, *Electronic Geosciences*, 1999.
- 60- Roult, G., J.-P. Montagner, E. Stutzmann, S. Barbier, G. Guiveneux, The GEOSCOPE program: its data center, *Phys. Earth Planet. Int.*, **113**, 25-43, 1999.
- 61- Singh, S.C., and J.-P. Montagner, Anisotropy of iron in the Earth's inner core, *Nature*, **400**, 629, 1999.
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- 16-Amal Sebai (1998-2002): Compréhension du bruit de fond sismique (co-direction avec Eléonore Stutzmann). Chercheur CRAAG, Alger.
- 17-Deborah Sicilia (1999-2003): Structure profonde des panaches mantelliques sous la Corne de l'Afrique. Ingénieur Recherche EDF, Aix-en-Provence.
- 18-Carène Larmat (2000-2004): Application de la Méthode des éléments spectraux à la Sismologie (Co-direction avec Jean-Pierre Vilotte). Chercheuse au Los Alamos National Laboratory, USA.
- 19-Yilong Qin (2003-2007) Spectral element method- Benchmark of tomographic models (co-direction Yann Capdeville). Ingénieur Recherche Tetrale, Calgary, Canada.
- 20-Phung Huong-Nguyen (2006-2010) Time-reversal Imaging of environmental sources. Maître de Conférences, Hanoi, Vietnam.
- 21-Paul Cupillard (2005-2008): Regional Spectral Element Method (co-direction Yann Capdeville). Maître de Conférences, Geol. Nancy.
- 22-Aurélié Guilhem (2007-2012). Analysis of unusual earthquake and tremor seismicity at the Mendocino Triple Junction and Parkfield, California (Co-tutelle, co-director Doug Dreger, UC Berkeley). Chercheuse CEA, DASE, Bruyères-le-Chatel.
- 23-Gael Burgos (2009-2013): Tomographie globale du manteau terrestre. Post-Doc CEA, France
- 24-Stéphanie Durand (2009-2012). Attenuation of the Earth (co-direction Yanick Ricard, ENS Lyon). Post-doc ENS Lyon.
- 25-Nian Wang (2010-2014). Separation Intrinsic- Extrinsic anisotropy (co-direction Yann Capdeville, Univ. Nantes, ITN QUEST fellowship). Post-Doc WHOI, USA.
- 26-Reza Mansouri (2011-2015). Time-reversal imaging of seismic sources (co-tutelle University of Tehran, Iran).
- 27-Maria Saadé (2012-2015) Seismic monitoring of seismogenic zones (co-direction Philippe Roux, Univ. Grenoble)
- 28-Amandine Sergeant-Boy (2013-2016) Seismic investigation of glacial earthquakes (co-direction Anne Mangeney, DGA fellowship)
- 29- Gaurav Tomar (2012-2015) 4D-imaging of reservoirs (co-direction Satish Singh, fellowship Pg CO2)
- 30- Satish Maurya (2012-2015). Deep structure of the Indian continent (fellowship CEFIPRA).

- 31- Alessandro Mazzullo (2013-2016) RHUM-RUM project (co-direction Eleonore Stutzmann, MESR fellowship).
- 32- Daxin Yu (2013-2016). Seismic tomography of N.E.China, co-tutelle (Prof. Wu, CEA, Beijing, China).
- 33- Kevin Juhel (2014-2017). Prompt detection of earthquakes through their gravitational signature (co-direction avec Matteo Barsuglia, APC, Paris-Diderot) (USPC fellowship).

Every year, many participations or interviews on TV (TF1, Antenne2, M6, FR3, i-tl, BFM, RFO ...) or radio broadcast (Europe 1, France Inter, RFI, RFO, France Culture, RTL, Nostalgie,...)