

## **Jacques LASKAR**

Astronomie et Systèmes Dynamiques,  
Institut de Mécanique Céleste, CNRS-UMR8028,  
Observatoire de Paris, UPMC,  
77 av. Denfert-Rochereau F-75014 PARIS  
TEL : (33) 1 40 51 21 14  
FAX : (33) 1 40 51 20 55  
email : Laskar@imcce.fr

## **CV**

Born April, 28, 1955 Paris 6ème  
1974–1977 : Ecole Normale Supérieure de Cachan  
1976 : Master in Mathematics  
1977–1980 : Teaching maths in high school  
1981 : Agregation of Mathematics (Univ. Paris VI)  
1982 : DEA Astronomie et Mécanique Céleste (Paris Observatory)  
1984 : Thesis (Paris Observatory)  
1985–1986 : Consultant at Jet Propulsion Laboratory (NASA, USA)  
1985–1994 : Researcher CNRS, Bureau des Longitudes  
1994–now : Director of Research CNRS, ASD, IMCCE-Observatoire de Paris

## **Distinctions**

1993 : Pontecoulant Prize from Academy of Sciences  
1993 : IBM Prize  
1994 : Silver Medal from CNRS  
1997 : Elected, Corresponding Member of the French Academy of Sciences  
2003 : Elected, Member of the French Academy of Sciences  
2007 : Brouwer Award (Division of Dynamical Astronomy, AAS)

## **Plenary invited conferences**

- Dynamics Days, Poznan, (Pologne) 10-13 juin 1992
- XIème Conférence Internationale de Physique Mathématique, Paris 18–23 juin 1994,
- 3ème Congrès Européen de Mathématiques, Budapest, Hongrie, 21–27 juillet 1996,
- DPG (German Physical Society) Conference, Heidelberg, 17–20 mars 1999,
- TH2002, International Conference on Theoretical Physics Paris, UNESCO, 22-27 Juillet 2002
- Enoc (5th Euromech Nonlinear Dynamics Conference) 2005 Eindhoven, 7-12 august

## **Named conferences**

- 3rd Schrödinger lecture, Erwin Schrödinger Institute for Mathematical Physics, Vienne, Autriche, 2 avril 1998
- Mutch Lecture, Brown University, Department of Geological Sciences, 7 décembre 2000
- Bernoulli lecture, Université de Groningen 22 mai 2001
- Goedel Lecture, Académie des Sciences Autrichienne, 27 novembre 2002
- Brouwer Award Lecture, American Astronomical Society, DDA, mai 2007, Ann Arbor, USA

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- [A4] Laskar, J. : 1993, Frequency analysis for multi-dimensional systems. Global dynamics and diffusion, *Physica D*, **67**, 257–281
- [A5] Laskar, J., Joutel, F., Robutel, P. : 1993, Stabilization of the Earth’s obliquity by the Moon, *Nature*, **361**, 615–617, 18 février 1993
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- [A7] Dumas, S., Laskar, J. : 1993, Global Dynamics and Long-Time Stability in Hamiltonian Systems Via Numerical Frequency Analysis, *Phys. Rev. Letters*, **70** (20), 2975–2979
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- [A9] Laskar, J. : 1995, Large scale chaos and marginal stability in the Solar System, *invited plenary talk at the XIth ICMP meeting (Paris july 1994)*, International Press, pp. 75–120, and *Celestial Mechanics*, **64**, 115–162
- [A10] Laskar, J. : 1999, Introduction to frequency map analysis, in proc. of NATO ASI 533 3DHAM95, S’Agaro, Spain, 134–150
- [A11] Laskar, J. : 2000, On the spacing of planetary systems, *Phys. Rev. Let.*, **84**, 15, pp. 3240–3243
- [A12] Robin, D., Steir, C., Laskar, J., Nadolski, L. : 2000, Global dynamics of the ALS revealed through experimental Frequency Map Analysis, *Phys. Rev. Let.*, **85**, pp. 558–561
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- [A17] Laskar, J., Robutel, P., Joutel, F., Gastineau, M., Correia, A. C. M., Levrard, B. : 2004, A long term numerical solution for the insolation quantities of the Earth, *A&A*, **428**, 261–285
- [A18] Laskar, J. : 2008, Chaotic diffusion in the Solar System *Icarus*, **196**, 1–15
- [A19] Laskar, J., Gastineau, M. : 2009, Existence of colisional trajectories of Mercury, Mars and Venus with the Earth *Nature*, **459**, 817–819
- [B1] Laskar, J. 1992, La Stabilité du Système Solaire, dans ”Chaos et Déterminisme”, A. Dahan *et al.* eds, p. 170–211, Point Seuil, Paris
- [B2] Laskar, J. : 1993, La Lune et l’origine de l’Homme, *Pour la Science*, 186, 34–41 (avril 1993), août 1993 et janvier 1995

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<sup>1</sup>B denotes general audience papers

## Papers in international Journals

- [1] Laskar, J., Marchal, C. : 1984, Triple close approach in the three-body problem. A limit for the bounded orbits, *Celest. Mech.*, **32**, 1–15
- [2] Bretagnon, P., Simon, J-L., Laskar, J. : 1985, Presentation of new solar and planetary tables of interest for historical calculations, *Journal for the History of Astronomy*, **xvi**, 39–50
- [3] Laskar, J. : 1985, Accurate methods in general planetary theory, *Astron. Astrophys.*, **144**, 133–146
- [4] Laskar, J. : 1986, Secular terms of classical planetary theories using the results of general theory, *Astron. Astrophys.*, **157**, 59–70
- [5] Laskar, J. : 1986, A general theory for the uranian satellites, *Astron. Astrophys.*, **166**, 349–358
- [6] Laskar, J. and R.A. Jacobson : 1987, GUST86. An analytical ephemeris of the uranian satellites, *Astron. Astrophys.*, **188**, 212–234
- [7] Laskar, J. : 1987, Secular evolution, proper modes and resonances in the inner Solar System, in *Resonances in the Solar System*, Sidlichovsky ed., Prague 1987
- [8] Laskar, J. : 1988, Secular evolution of the Solar System over 10 million years, *Astron. Astrophys.*, **198**, 341–362
- [9] Laskar, J. and J-L. Simon : 1988, Fitting a line to a sine, *Celest. Mech.*, **43**, 37–45
- [10] Laskar, J. : 1989, A numerical experiment on the chaotic behaviour of the Solar System, *Nature*, **338**, 237–238
- [11] Laskar, J. : 1990, Manipulation des Séries, in *Méthodes Modernes de la Mécanique Céleste*, D. Benest et C. Froeschlé eds., 63–88
- [12] Laskar, J. : 1990, Systèmes de variables et éléments, in *Méthodes Modernes de la Mécanique Céleste*, D. Benest et C. Froeschlé eds., 89–109
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- [15] Laskar, J. : 1991, Chaotic Behaviour of the Solar System, *Reports on Astronomy*, XXIA, 16-21, (revue invitée)
- [16] Laskar, J. : 1992, A few points on the stability of the Solar System, in *Symposium IAU 152*, S. Ferraz-Mello ed. p. 1–16 (conférence invitée)
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