

Dr. ROQUES Françoise

Birth date : 15 june 1956

Téléphone : (33)145 07 71 08 **E-Mail** : francoise.roques@obspm.fr

Profession : senior astronomer of the Paris observatory from 1987

PhD : 1986 (Paris Observatory)

HDR : 1992 (University of Paris 7)

Research subjects : **Planetology**: Kuiper Belt, rings, satellites, atmosphere, exoplanetary disk – observations and dynamics - Stellar occultations

First detection of the Neptune arcs - Detection of the Uranus λ ring - Discovery of the gravity waves in the Neptune atmosphere.

Exoplanetology : Theoretical and numerical study of protoplanetary disks.

Publication : >100 publications and 38 publications in international peer-review journals, 3 Courses Books.

1. **Roques, F** (2003), Resaech of small KBO by stellar occultations, Proceeding of the First Decadal Review of the Kuiper Belt, Earth, Moon and Planets, vol. 92, n°1-4.
2. **Roques, F.**, A. Doressoundiram, et al. (2006) Exploration of the Kuiper Bel by High Precision Photometric Stellar Occultations : First results, AJ, 132, 819
3. **Roques, F.** and Boissel, Y. and Doressoundiram, A. and Sicardy, B. and Widemann, T., Exploration of the Outer Solar System by Stellar Occultations", Earth Moon and Planets, 2009, 105, p 201-208
4. **Roques, F.** and Guinouard, I. and Buey, J.-T. and Doressoundiram, A. and Horville, D. and Marteaud, M., "Ultraphot", in Science with the VLT in the ELT Era, 2009, editor = "A.Moorwood", p 429
5. Ollivier, M., **Roques, F.** Casoli, F., Encrenaz, T. and Selsis, F., Planetary Systems: Detection, Formation and Habitability of Extrasolar Planets, Astronomy And Astrophysics Library, Springer Berlin Heidelberg, 2009, editor = "Ollivier, M., Roques, F., Casoli, F., Encrenaz, T., & Selsis, F.
6. **Roques, F.** and Georgevits, G. and Doressoundiram, A., "The Kuiper Belt Explored by Serendipitous Stellar Occultations", in The Solar System Beyond Neptune, 2008, editor = "Barucci, M.A., Boehnhardt, H., Cruikshank, D.P., & Morbidelli, A., p 545-556
7. **Website** : « **Les Exoplanetes** »

Achievements :

-PI of UltraPhot, Fast Multo-Object Photometer for ESO-VLT

- Member of the CNAP (national recruitment committee)

- Member of Scientific Council of the Institute of Celestial Mechanic

- Member of Administrative Council of the Paris observatory

- Direction of the « Unité de Formation et d'Enseignement » of Paris Observatory (1999-2009): 8 engineers and secretaries, 150 teachers, 5 LMD courses, 3 E-learning courses, 260k€ annual budget.

- PI of the Numerical Campus « Astrophysique Sur Mesure », consortium of 6 universities, funded two times by the Minister of National Education. This project hands up on 3 e-learning courses

- Coordination of e-learning « Ventanas Abiertas alUniverso » at Cusco University

- Responsable of the multi-langages website : « Les Exoplanetes »