

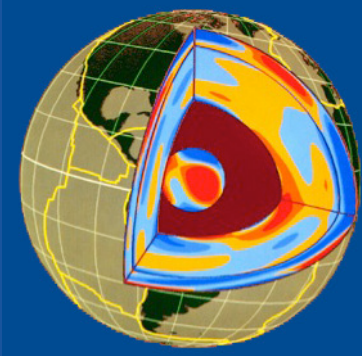


Mme Barbara ROMANOWICZ, Professeur

Structure, composition and dynamics of the earth's core

Colloque en anglais, organisé avec James Badro

le vendredi 25 novembre 2011, de 9 heures à 19 heures



9h00 - 9h15 Introduction, Barbara ROMANOWICZ, *Collège de France*

Session 1 - Chair: Alexandre FOURNIER, IPG (Paris)

9h15 - 9h55 Hemispherical properties of the inner core and the implications for a possible growing mechanism, Annie SOURIAU, *Observatoire Midi-Pyrénées (Toulouse)*

9h55 - 10h35 Degree 1 structure in the inner core from normal mode and body wave data, Jessica IRVING, *Cambridge University (UK)*

10h35 - 11h00 Coffee Break

Session 2 - Chair: Razvan CARACAS, ENS (Lyon)

11h00 - 11h40 Composition of the Earth's inner core from sound velocity measurements on iron and iron alloys, Daniele ANTONANGELI, *IPG/UPMC (Paris)*

11h40 - 12h20 Ab initio calculations on iron and iron alloys at Earth's core conditions, Lidunka VOCADLO, *UCL (UK)*

12h20 - 14h00 Lunch

Session 3 - Chair: Guillaume FIQUET, IMPMC/UPMC (Paris)

14h00 - 14h40 Geochemical constraints on the core formation and composition, Bernard BOURDON, *ENS (Lyon)*

14h40 - 15h20 Constraining the light elements in Earth's outer core from observation, experiment and theory, Michael WALTER, *university of Bristol (UK)*

15h20 - 15h50 Coffee Break

Session 4 - Chair: Gauthier HULOT, IPG (Paris)

15h50 - 16h30 Imaging the internal dynamical structure of Earth's core, Julien AUBERT, *IPG (Paris)*

16h30 - 17h10 Seismic anisotropy of the inner core deduced from geodynamical and mineralogical models, Philippe CARDIN, *Université Joseph Fourier (Grenoble)* - co authors: R. Deguen, S. Merkel, A. Lincot

17h10 - 18h00 Panel Discussion: Gauthier HULOT, Razvan CARACAS, Guillaume FIQUET & Alexandre FOURNIER

Session poster de 17h30 à 19 heures dans la salle 4

■ Amphithéâtre Maurice Halbwachs

11, place Marcelin-Berthelot - Paris 5^e
www.college-de-france.fr

Accès libre dans la limite des places disponibles

L'Administrateur du Collège de France
Pierre Corvol