

MIT-France Seed Fund Grantees 2007-2008

Total grants: 11 / Total award: \$149,700

Engineering

Climate variability and malaria transmission in Africa

Award: \$19,000.00	Collaboration between:	Eltahir, Elfatih Professor	Duchemin, Jean Bernard Head-Chief, Parasitology Unit, CERMES / Head-Chief, Climate, Environment & Health Unit, CERMES / Project leader, IRD Pasteur Institute Niamey (Niger)
		Earth Systems Initiative Civil and Environmental Engineering	

Science

Improved Imaging in Non-Smooth Media

Award: \$14,800.00	Collaboration between:	Malcolm, Alison Assistant Professor	Le Rousseau, Jérôme Maître de Conférences
		Earth, Atmospheric and Planetary Sciences	Université de Provence Marseille

Humanities, Arts and Social Sciences

Mapping Controversies across the Atlantic

Award: \$14,000.00	Collaboration between:	Lepinay, Vincent-Antonin Assistant Professor	Latour, Bruno Professor
		STS	Institut d'Etudes Politiques Paris

Interdisciplinary

Nonlinear wave evolution and wave-particle interactions in fusion plasmas.

Award: \$9,500.00	Collaboration between:	Ram, Abhay Principal Research Scientist	Benisti, Didier Research Scientist
		Plasma Science and Fusion Center	Commissariat à l'Énergie Atomique Bruyères-le-Chatel

Engineering

Impact of the Environment on the Virulence of Marine Microorganisms

Award: \$10,000.00	Collaboration between:	Boucher, Yan Postdoctoral Associate	Bapteste, Éric Doctor
		Laboratory of Martin F. Polz Civil and Environmental Engineering	CNRS Paris

Engineering

Radar Measurements of West African Rainfall Linked with Satellite Remote Sensing and with Applications to the Urban Malaria Problem

Award: \$15,000.00	Collaboration between:	Williams, Earle Principal Research Scientist	Gosset, Marielle Chargée de Recherche
		Parsons Laboratory Civil and Environmental Engineering	Institut de Recherche pour le Développement Grenoble

Engineering

Internal Tide Scattering and Ocean Mixing.

Award: \$15,000.00	Collaboration between:	Peacock, Thomas Associate Professor	Dauxois, Thierry CNRS Senior Researcher (Directeur de Recherche)
		Nonlinear Dynamics Mechanical Engineering	Ecole Normale Supérieure de Lyon Lyon

Humanities, Arts and Social Sciences

Labor Market Regulation in France: The management and evaluation of the Inspector du travail

Award: **\$10,500.00**

Collaboration
between:

Piore, Michael
Professor of Political Economy

Industrial Performance Center

Economics

Raveaud, Gilles
Lecturer

Institut d'Etudes Européennes - Université Paris 8 Saint-Denis
Saint-Denis

Science

Dynamics of Hydrogen-Bond Rearrangements in Water

Award: **\$13,400.00**

Collaboration
between:

Tokmakoff, Andrei
Professor of Chemistry

Chemistry

Laage, Damien
Chargé de Recherche CR1

Ecole Normale Supérieure
Paris

Science

Geometric Analysis and applications to General Relativity

Award: **\$14,400.00**

Collaboration
between:

Colding, Tobias
Professor

Department of Mathematics, MIT

Hebey, Emmanuel
Professor

Université de Cergy-Pontoise
Cergy-Pontoise

Science

Perturbative amplitudes in gauge theory and quantum gravity

Award: **\$14,100.00**

Collaboration
between:

Freedman, Daniel
Professor

LNS Center for Theoretical Physics
Physics

Kosower, David
Ingénieur CEA

CEA, Saclay
Gif-sur-Yvette