

**LISTE GÉNÉRALE CHRONOLOGIQUE**  
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- 1 - Tunable optical gain in the near U.V. using F<sup>+</sup> centers in CaO.  
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- 2 - Laser selective excitation and energy transfer in a multisite system CaF<sub>2</sub>:Pr<sup>3+</sup>.  
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- 3 - Laser selective excitation and energy transfer in a multisite system CaF<sub>2</sub>:Pr<sup>3+</sup>.  
 P. Evesque, J. Kliava & J. Duran  
*J. of Luminescence* **18/19**, 646-650, (1979)
- 4 - Transferts d'énergie dans CaF<sub>2</sub>:Pr<sup>3+</sup>: étude par excitation sélective et spectroscopie en temps résolu.  
 thèse de 3ème cycle soutenue le 23 avril 1979, Université P. et M. Curie (Paris VI)
- 5 - Dimers and clusters in CaF<sub>2</sub>:Pr<sup>3+</sup>. Laser selective excitation and time resolved spectroscopy.  
 R.H. Petit, P. Evesque et J. Duran  
*J. Phys. C* **14**, 5081-5090, (1981)
- 6 - Energy migration in randomly doped crystals: geometrical properties of space and kinetic laws.  
 P. Evesque  
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- 7 - Time resolved studies of naphthalene mixed crystals. Fractal and Euclidean behaviors of the migration kinetics.  
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- 8 - Magnetic field perturbation in binary molecular crystals: coherent or incoherent diffusion?  
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- 10- Robinson Crusoe, Vendredi et les cannibales: une vision fractale de la colonisation d'un archipel.  
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- 11- Diffusion and trapping in ZnS:Mn electroluminescent thin films.  
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- 12- Spectroscopic study of incommensurate phase of ThBr<sub>4</sub> via the optical and magneto-optical properties of U<sup>4+</sup>.  
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- 13- Réactions chimiques dans un espace fractal.  
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- 14- Theory of transient grating experiments in disordered systems: anomalous percolation behaviour.  
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- 15- Transient grating experiment in percolation fractals.  
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- 25- Caractérisation d'avalanches de billes dans un cylindre tournant.  
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- 26- Instabilité convective dans un tas de sable.  
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- 31- Optical techniques and experimental investigation of diffusion processes in disordered media.  
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- 37- Surface fluidization of a sandpile.  
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- 38- Cellule de convection torique dans un tas de sable.  
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- 274- On the Editorial Policy in Science : Quelques problèmes « censurés » de « micro-nano » fluidique granulaire en micro gravité  
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- 275- Reading notes on : “Les milieux granulaires ; Entre fluide et solide” by B. Andreotti, Y. Forterre et O. Pouliquen  
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- 276- Témoignage n°1 de P. Evesque (tomes 1) sur les revues à comité de lecture  
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Annexe au process-verbal du conseil du laboratoire MSSMat du 23 Juin 2011.
- 277- Témoignage n° 2 de P. Evesque (tome 2) sur les actions en faveur de *Poudres & Grains* et sur un essai de faire respecter la déontologie scientifique;

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- 278- Témoignage n° 3 de P. Evesque (tome 3) sur les revues à comité de lecture et sur l'impossibilité de faire respecter la déontologie scientifique;  
Evesque P.,  
Annexe au process-verbal des conseils du laboratoire MSSMat du 13 Mars 2012.
- 279- Dialogue of the deaf : « Hydrodynamics » with dissipation. Towards mixing or demixing ?  
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- 280- Breakdown of Energy Equipartition in Vibro-Fluidized Granular Media in Micro-Gravity  
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**LISTE GÉNÉRALE CHRONOLOGIQUE**  
**des Publications ORALES de Pierre Evesque**

**4) Actes de congrès avec referees:**

- car1- Optical techniques and experimental investigation of diffusion processes in disordered media. <sup>31</sup>  
P. Evesque & A.C. Boccara  
Cours à l'International School of atomic and molecular spectroscopy,  
(15-29 juin 1989) VIII<sup>th</sup> course: *Disordered solids: structure and processes*,  
pp 265-280, édité par B. Di Bartolo, Plenum Press, New York (1989), (tome 46)  
**conférence invitée**
- car2- Statistics of glass sphere avalanches in a partly filled rotating cylinder. <sup>34</sup>  
P. Evesque & J. Rajchenbach  
dans *Powders and grains*, édité par Biarez & Gourvès, Balkéma, Rotterdam,  
(1989), pp. 217-224
- car3- Four-wave mixing for studying ultrafast radiationless processes. <sup>45</sup>  
P. Evesque  
IX<sup>ème</sup> Cours à l'International School of atomic and molecular spectroscopy,  
Erice, (15-29 juin 1989), pp. 497-527, dans *Advances in Nonradiative Processes in Solids*, édité par B. di Bartolo, NATO ASI Series, Series B: Physics vol. 249,  
Plenum press (New York, 1991)  
**conférence invitée**
- car4- Analogy between the groundstate of an antiferromagnet and the mode of quasi-static deformation of a packing of spheres <sup>52</sup>  
P. Evesque  
dans *Material theory and modelling*, pp. 97-102,  
ed. by P.D. Bristowe, J. Broughton & J.M. Newsam,  
MRS press **291**, New York (1993)
- car5- Relationship between dilatancy, stresses and plastic dissipation in granular material with rigid grains <sup>53</sup>  
P. Evesque et C. Stéfani  
dans *Material theory and modelling*, pp. 473-478,  
ed. by P.D. Bristowe, J. Broughton & J.M. Newsam,  
MRS press **291**, New York (1993)
- car6- A dynamical system theory of large deformations and patterns in non cohesive solids <sup>54</sup>  
P. Evesque & D. Sornette  
dans *Material theory and modelling*, pp. 449-454,  
ed. by P.D. Bristowe, J. Broughton & J.M. Newsam,  
MRS press **291**, New York (1993)
- car7- Evidence of local "seisms", of microscopic and macroscopic stress fluctuations during the deformation of a packing of grains <sup>56</sup>  
W. Meftah, P. Evesque, J. Biarez, D. Sornette & N.-E. Abriak  
in *Powder & Grains 93*, ed. by C. Thornton, (Balkéma, Rotterdam, 1993), pp. 173-178
- car8- Density is a controlling parameter of sandpile avalanches <sup>57</sup>  
P. Porion & P. Evesque  
in *Powder & Grains 93*, ed. by C. Thornton, (Balkéma, Rotterdam Birmingham, 1993), pp. 327-332
- car9- Analyse statistique des microdéformations des matériaux granulaires <sup>59</sup>  
F. Radjai & P. Evesque  
*Actes du 11<sup>ème</sup> congrès français de Mécanique*, Lille-Villeneuve d'Ascq, 6-10 Septembre 1993, pp. 449-452
- car10- Les Avalanches de Matériau granulaire: Effets de la Densité et de la Cohésion <sup>60</sup>  
P. Porion, P. Evesque & G. Joly  
*Actes du 11<sup>ème</sup> congrès français de Mécanique*, Lille-Villeneuve d'Ascq, 6-10 Septembre 1993, pp 469-472
- car11- Deformations of ordered 2-D packings of grains, Role of Rotation <sup>64</sup>  
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- 1995), ed. American Society of Civil Engineering, New-York, (1995), pp. 1284-87,
- car12- Visualisation du champ de déformation plane par caméra numérique<sup>65</sup>  
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- car13- Physics of sandpile and avalanches<sup>68</sup>  
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- car14- Rotation, convection et diffusion des grains dans un talus soumis à des sollicitations cycliques<sup>71</sup>  
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- car15- La localisation dans les milieux granulaires bi-dimensionnels géométriquement ordonnés<sup>72</sup>  
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- car25- New Saint-Venant formulation with a streamfunction for a mountain stream hydraulics<sup>88</sup>  
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- car26- Standing relief generation and propagation in cavity filled with liquid and sand and submitted to horizontal vibrations<sup>90</sup>  
P. Evesque, A. Ivanova, V. Kozlov, D. Lyubimov, T. Lyubimova and B. Roux  
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- car27- Solid body mean dynamics at large amplitude rotational vibration: experiment<sup>91</sup>  
A.A. Ivanova, V.G. Kozlov, P. Evesque  
in *Proceedings of the joint Xth European and VIth Russian Symposium on Physical Sciences in Microgravity*, édité à Moscou (Russie), volume 1, (1997), pp.266-269
- car28- Granular material dynamics in a modulated force field: experiments<sup>93</sup>  
V.G. Kozlov, A.A. Ivanova, P. Evesque  
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- car29- Mixing and segregation in a Turbula mixer studied by MRI<sup>101</sup>  
P. Porion, N. Sommier & P. Evesque  
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- Car30- MRI demonstration of the efficiency of the turbula blender as a separating machine even for quite similar particles<sup>107</sup>  
P. Porion, N. Sommier & P. Evesque  
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- Car31- A new simple non linear modelling of the quasi statics mechanics of granular media : previsions and comparisons to experimental data<sup>108</sup>  
P. Evesque  
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- Car32- About the mean dynamics of two liquids interface under translational vibration<sup>109</sup>  
V.G. Kozlov, P. Evesque, A. Ivanova  
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- Car33- New features of Faraday vibrational effects in sand in viscous liquid<sup>110</sup>  
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- Car34- New formulation of the non linear rheology of granular material: simple predictions<sup>111</sup>  
P. Evesque  
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- Car35- Oscillatory Accelerations on Gas-Liquid Systems<sup>112</sup>  
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- Car36- A new simple non linear modelling of the quasi-statics mechanics of granular media: previsions and comparisons to experimental data. <sup>125</sup>  
P. Evesque  
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- Car37- Introduction to the Scientific interest in forming a topical team on g-jitter and vibrations <sup>126</sup>  
Pierre Evesque  
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- Car38- Vibration Effects on Heterogeneous Hypercompressible Fluids in Microgravity<sup>127</sup>  
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- Car39- Vibrational hydromechanics of heterogeneous medium<sup>128</sup>  
A. Ivanova, V. Kozlov, P. Evesque  
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- Car40- A simple non linear modelling of the quasi statics of granular media: Previsions and comparisons to experimental data <sup>129</sup>  
P. Evesque  
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- Car41- Mixing and Segregation of solids in a turbulence mixer studied by MRI. <sup>130</sup>  
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- Car42- Mixing and segregation in Turbula blender<sup>131</sup>  
N. Sommier, P. Porion & P. Evesque  
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- Car43- A new simple non linear modelling of the Quasi-statics of granular medi: predictions, comparisons with experiments<sup>132</sup>  
P. Evesque

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- Car44- Les lois de la mécanique des sols sont-elles si complexes<sup>133</sup>  
P. Evesque  
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- Car45- Etude par IRM du mélange et de la ségrégation de grains dans un mélangeur tridimensionnel<sup>134</sup>  
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In Colloque "Physique et Mécanique des Milieux Granulaires", tome 2, Ecole des Ponts & Chaussées, 5-7 sept. 2000 , pp. 357-362 (2000)
- Car46- Gas-Cluster transition of granular matter under vibration in microgravity<sup>135</sup>  
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- Car47- Experimental study of two-liquid interface under micro-gravity<sup>136</sup>  
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- Car48- Mixing and segregation in Turbula blender<sup>131</sup>  
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- Car49- A new simple non linear modelling of the Quasi-statics of granular medi: predictions, comparisons with experiments<sup>132</sup>  
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- Car50- Experimental study of two-liquid interface under micro-gravity<sup>147</sup>  
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- Car52- How to use Turbula® mixer as a good blender with dry beads<sup>149</sup>  
P. Porion, A.M. Faugère, N. Sommier & P.Evesque  
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- Car53- Study of avalanching at a free surface using computer simulation<sup>150</sup>  
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- Car54- A simple modelling of experimental data on compressions of granular media<sup>151</sup>  
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- Car55- Modelling the micro-macro passage in the quasi-statics regime of granular matter<sup>152</sup>  
P.Evesque  
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- Car56- Mechanical behaviour of granular-gas and heterogeneous-fluid systems submitted to vibrations in micro-gravity<sup>154</sup>  
P. Evesque, D. Beysens & Y. Garrabos  
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- Car57- Liquefaction of granular matter in viscous liquid under vertical vibration<sup>155</sup>  
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- Car60- Etude par IRM du mélange et de la ségrégation de grains dans un mélangeur tridimensionnel <sup>161</sup>  
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- Car63- Viscosity dependence of the behaviour of a heavy sphere in a cavity filled with liquid and subject to rotary vibration <sup>171</sup>  
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- Car64- Experimental study of convection in rectangular cavity subject to nontranslational vibration <sup>174</sup>  
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- Car68- Dissipation and statistical mechanics of granular gas: General framework and 1-ball case  
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- Car69- Granular gas in weightlessness: the limit case of very low densities of non interacting spheres  
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- Car76- Optical cells for the study of water prperties near its liquid-gas critical point;  
Y. Garrabos, C. Lecoutre, F.Palencia, D. Beysens, V. Nikolayev & P. Evesque  
J. Jpn SocMicrogravity Appl. **25**, 103-106 (ou 279-283) (2008); In ISPS 2007, (22-26 Oct. 2007) Nara, Japan;
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- Car-78-236- Mechanical properties of compacts made with binary mixtures of pharmaceutical excipients of three different kinds,  
V. Busignies, P. Evesque, P. Porion, B. Leclerc and P. Tchoreloff; in *Powders & Grains 2009*, (Golden, Denver, Colorado, 13-17 July 2009) , ed. M. Nakagawa,
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- Car80-238- Can percolation model describe the evolution of mechanical properties of compacts of binary systems? ,  
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- Car81- 269- Directed clustering in driven compartmentalized granular gas systems in zero gravity  
Y. Li, M. Hou, P. Evesque  
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- Car82- 270- The dense granular matter in micro-gravity  
C. Yanpei, P. Evesque, M. Hou, C. Lecoutre, F. Palencia and Y. Garrabos  
In ISPS 2011, Bonn, Germany, (11-15/7/2011) [soumis \(10/7/2011\)](#)
- Car83- 271- Study of granular gas behaviour using 3D Simulations: Evidence for a large boundary effect due to dissipation by collisions  
P. Evesque, R. Liu, YP.Chen, M. Hou  
In ISPS 2011, Bonn, Germany, (11-15/7/2011)
- Car84- 272 – 3d simulations of granular gas in a vibrating box: demonstration of a large boundary effect due to dissipation by collisions which is not propagative shock wave. (IAC-11.A2.1.3)  
P. Evesque, R. Liu, Y. Chen,t, M. Hou  
International Astronautical Congress, IAC 2011, 3-7 October 2011, Cape Town ICC, South Africa ( non présentée, mais publiée)

## 5) Actes de congrès sans referee:

- cal- Can we define a unique friction coefficient for a non cohesive granular material? A tentative answer from the point of view of sand avalanche <sup>61</sup> experiment;  
P. Evesque  
*Actes du colloque en l'honneur de Pierre Béghin sur Rapid Gravitational Mass Movements*, CEMAGREF, Grenoble, 6-10 décembre 1993; pp. 77-85  
**conférence invitée**
- Ca2- Dispositif de vibration de systèmes hétérogènes pour des expériences en vol parabolique <sup>176</sup>  
F. Palencia, C. Lecoutre, Y. Garrabos, P. Evesque & D. Beysens  
FuturVIEW 2003, Futuroscope Poitiers (11-12 juin 2003)
- Ca3- Granular media under vibration in zero gravity: Transition From rattling to granular gas  
P. Evesque, Y. Garrabos, M. Hou  
3rd Germany-China Workshop on Microgravity & Space Life Sciences, Berlin Oct 9-10, 2006
- Ca4- On the need of writing correct boundary conditions in granular gases in microgravity  
P. Evesque<sup>1+</sup>, D. Beysens<sup>2</sup>, Y. Garrabos<sup>3</sup>, F. Palencia<sup>3</sup>, C. Lecoutre<sup>3</sup>  
In proceeding of the Workshop on granular physics and complex fluids , Pékin Sept 5-10, 2008, IOP, CAS)
- Ca5- 272- P. Evesque, R. Liu, Y. Chen, M. Hou, 3d simulations of granular gas in a vibrating box: demonstration of a large boundary effect due to dissipation by collisions which is not propagative shock wave. (IAC-11.A2.1.3); IAC, Sept 2011; [proceedings of the 62nd International Astronautical Congress](#) , 3-7 October 2011, Cape Town, South Africa

## 6) Communications invitées :

- ci1- Fractal and fractal-like behavior in dipolar energy transfer and electrodeposited aggregates.  
P. Evesque, C.L. Yang & M.A. El-Sayed  
Gordon Research Conference on Fractals, Hawthorne College,  
Antrim, New Hampshire, U.S.A., (15-19 juillet 1985)  
**Conférence invitée**
- ci2- Fractal aggregates grown by electrodeposition.  
P. Evesque  
2nd Workshop on Electrodeposition, Bruges, Belgique, (15-18 avril 1986)  
**Conférence invitée**
- ci3- Cinétique de réaction sur un espace fractal.

P. Evesque  
Réunion FICH-5, Les Houches, France, (3-6 février 1986)

**Conférence invitée**

- ci4- Degenerate four-wave mixing experiments on dye molecules in film: coherent effect.  
M.T. Portella, P. Montelmacher, A. Bourdon, P. Evesque & J. Duran  
Unconventional Photoactive Solids, Emil Warburg Symposium, Schloss Elmaü,  
R.F.A., (11-15 octobre 1987)  
**Conférence invitée**
- ci5- Optical techniques and experimental investigation of diffusion processes in disordered media. <sup>31</sup>  
P. Evesque & A.C. Boccara  
Cours à l'International School of atomic and molecular spectroscopy,  
(15-29 juin 1989) VIII<sup>th</sup> course: *Disordered solids: structure and processes*,  
pp 265-280, édité par B. Di Bartolo, Plenum Press, New York (1989), (tome 46)  
**conférence invitée**
- ci6- Four-wave mixing for studying ultrafast radiationless processes. <sup>45</sup>  
P. Evesque  
IX<sup>ème</sup> Cours à l'International School of atomic and molecular spectroscopy,  
Erice, (15-29 juin 1989), pp. 497-527, dans *Advances in Nonradiative Processes in  
Solids*, édité par B. di Bartolo, NATO ASI Series, Series B: Physics vol. 249,  
Plenum press (New York, 1991)  
**conférence invitée**
- ci7- Instability in a sand heap.  
P. Evesque  
Solid State Physics Conference, Warwick, G.B., (19-21 décembre 1989)  
**conférence invitée**
- ci8- Sandpile experiments.  
P. Evesque  
Workshop on Self-Organized Critical Phenomena,  
Copenhagen, Denmark, (31 mai-2 juin 1990)  
**Conférence invitée**
- ci9- Sandpile: basic ideas for psammodynamics.  
P. Evesque  
Dynamics Days, Düsseldorf, R.F.A., (20-23 juin 1990)  
**Conférence invitée**
- ci10- La mécanique du tas de sable.  
P. Evesque  
Journée "Métallurgie des Poudres" en l'honneur de Jules Caisso  
Poitiers, (4 décembre 1990)  
**Conférence invitée**
- ci11- Physics of sandpile and avalanches <sup>68</sup>  
P. Evesque & P. Porion  
*Fragmentation phenomena* ; Les Houches (12-17 avril 1993)  
**conférence invitée**
- ci12- Can we define a unique friction coefficient for a non cohesive granular material? A tentative answer from the  
point of view of sand avalanche <sup>61</sup> experiment;  
P. Evesque  
*Actes du colloque en l'honneur de Pierre Béghin sur Rapid Gravitational Mass Movements*, CEMAGREF,  
Grenoble, 6-10 décembre 1993; pp. 77-85  
**conférence invitée**
- ci13- Flow Instabilities in Granular Materials  
P. Evesque  
Powder Metallurgy 1994, 6-9 juin 1994, Paris -La-Défense  
**conférence plénière invitée**
- ci14- Quasi-static deformation of granular materials: friction, dilatancy, convection, diffusion  
P. Evesque  
Congrès: Les Dynamiques lentes des milieux hétérogènes mous, Les Houches, 31/1/95-10/2/95  
**conférence invitée**
- ci15- Comparaison entre les mouvements convectifs quasi-statiques et ceux obtenus sous vibration dynamiques  
P. Evesque  
Atelier "Géosuspension"; Montpellier - La Grande Motte, 4-6 Octobre 1995  
**Conférence invitée**
- ci16- Macroscopic viewpoint of the mechanics of granular material: Application to avalanches and convection  
P. Evesque  
Institut of theoretical Physics, University of California at Santa Barbara, Participation au programme

"Jamming & Rheology" organisé par l'IITP de UCSB Sept. 97.

**communication invitée**

- ci17- Few problems of granular materials: from stress distribution in piles to gas-like behaviour in micro-g  
P. Evesque,  
Granular Materials: Statics, Excitations and Dynamics, 25-26 June 1998, Albuquerque NW, USA, (a Center for Advance Studies workshop)
- conférence invitée**
- ci18- Stress fluctuations and Macroscopic Stick-slips in Granular Materials  
P. Evesque,  
Horizons In Complex Systems, (Gene Stanley birthday, Messine, Italy) 5-8/12/2001, **communication invitée**
- Ci19- Statistical Mechanics of granular materials : The strange effect of rotation  
P. Evesque  
Workshop on Mesoscopic and nanometric materials, honouring Prof. M.A. El-Sayed, IUF, Paris 11-12  
Octobre 2004-10-12  
**Invité**
- Ci20- Quelques problèmes de physique des milieux granulaires en apesanteur  
P. Evesque,  
Journée du GDR espace, Carry-le-Rouet, 18 Novembre 2004  
**Invité**
- Ci21- Control of grains in 1g and in weightlessness, and effects of vibration  
P. Evesque  
TT "Vibration", ESA HQ, Paris 24 Mars 2005 (**organisateur**)
- Ci22- Experiments on vibrated granular matter and fluids in micro-gravity  
P. Evesque  
TT "non equilibrium complex matter", Alpe d'Huez, 4-6 Avril 2005  
**invité**
- Ci23- Experiments on Granular Gases in Zero Gravity (8 juin 2005)  
P. Evesque  
Session Granular physics, KITP Santa Barbara, 30Mai-27 juin 2005, (invité)
- Ci24- Invited scientist at KITP, UCSB, Santa Barbara, Ca USA, USA, 30 mai- 27juin 2005  
Avec Séminaire: le 8 juin 2005
- Ci25- Gordon Research Conference « Engineering Science for Space exploration »  
P. Evesque  
Les Diablerets, Suisse, 21-26 Août 2005, **Invité** (discussion leader)
- Ci26- Current trends in the mechanics of granular matter ion microgravity  
P. Evesque  
Elgra biannual meeting, Florence , September 4-9, 2007; **conférence invitée**
- Ci27- Chairman de la session vibration  
P. Evesque  
Elgra biannual meeting, Florence , September 4-9, 2007; **conférence invitée**
- Ci28 - Boundary condition and the physics of dissipative granular gas  
P. Evesque  
TT on critical Fluids, Nara, Japan, October 22, 2007, **conférence invitée**
- Ci29 - Scientific goals of the topical team on Vibration in granular media  
P. Evesque  
ISPS 2007, Nara, Japan, 23-26 October 2007; **Keynote Speaker**
- Ci30 - Chairman de la session vibration  
P. Evesque  
SPS 2007, Nara, Japan, 23-26 October 2007; **conférence invitée**
- Ci31 - reparation of SJ10  
P. Evesque  
IOP, CAS, Beijing, China, 6-11 January 2008, **conférence invitée**
- Ci32 - Granular gas under microgravity  
P. Evesque  
Ecole : Crystallisation and jamming in soft matter under driving, Lorentz centre, Leiden, The Netherlands,  
11-22 February 2008, **conférence invitée** et école d'hiver
- Ci33 - Granular gas under microgravity  
P. Evesque  
ESA-ESTEC, progress meeting of VIP-Gran instrument 22 February 2008, **conférence invitée**
- Ci34 - Vibrational physics  
P. Evesque  
ELIPS-ARISE Workshop, Sasbachwalden, Germany, 25-26 February 2008, **conférence invitée**
- Ci35 - Poudres, grains et vibrations...sur terre et en apesanteur  
P. Evesque  
Du 27 février au 27 avril 2008, palais de la Découverte, stand "un chercheur-une manip"

### Conférences invitées

- Ci36 – Expériences de segregation et de mélange de milieux granulaires ; Salon de l'innovation et de la Recherche, stand Palais de la découverte, 5-7 juin 2008
- Ci37- On the need of writing correct boundary conditions in granular gases in microgravity  
P. Evesque<sup>1+</sup>, D. Beysens<sup>2</sup>, Y. Garrabos<sup>3</sup>, F. Palencia<sup>3</sup>, C. Lecoutre<sup>3</sup>  
In proceeding of the Workshop on granular physics and complex fluids , Pékin Sept 5-10, 2008, IOP, CAS)
- Ci38- modérateur de séance, Powders & Grains 2009, Boulder
- Ci39- Milieu granulaire en physique spatiale.  
P. Evesque & Y. Garrabos ;  
Séminaire Prospective cnes, Biarritz; 17-19 Mars 2009, conf. invitée,

### 7) Communication à des congrès sans actes:

- c1- Laser selective excitation and energy transfer in a multisite system  $\text{CaF}_2:\text{Pr}^{3+}$ . P. Evesque, J. Kliava & J. Duran; International Conference on Luminescence, Paris, (17-21 juillet 1978)
- c2- Clusters in  $\text{CaF}_2:\text{Pr}^{3+}$ . P. Evesque, R.H. Petit & J. Duran; Third conference on Dynamical Processes in the Excited States of Ions and Molecules of Solids (DPC 81), Ratisbonne, R.F.A., (1981)
- c3- Magnetic dependence of the phosphorescence and fluorescence of naphthalene  $\text{H}_8$  and  $\beta$ -methylnaphthalene in perdeuterated hosts.  
P. Evesque; Journées "Dynamique des Cristaux Moléculaires", Rochester, (N.Y.), U.S.A., (17-18 septembre 1982)
- c4- Magnetic field dependence and time resolved studies of the transfer between triplet states of naphthalene and  $\beta$ -methylnaphthalene in perdeuterated naphthalene crystals. P. Evesque & J. Duran; X<sup>th</sup> Molecular Crystal Symposium, S<sup>t</sup>-Jovite, Québec, Canada, (20-24 septembre 1982)
- c5- Etude en temps résolu des transferts d'énergie du naphthalene  $\text{H}_8$  dans du naphthalène  $\text{D}_8$ . P. Evesque & J. Duran; R.C.P. 607, Chantilly, France, (8-10 décembre 1982)
- c6- Triplet state in naphthalene: an energy migration cross-over behavior. P. Evesque & D. Taudin; 4<sup>th</sup> International Conference on Dynamical Processes in the Excited States of Solids; (DPC 83), Stanford, Californie, U.S.A., (11-14 juillet 1983)
- c7- Diffusion dans l'espace fractal. P. Evesque; R.C.P. 607, Paris, (8-9 décembre 1983)
- c8- Robinson Crusoe, Vendredi et les Cannibales: une vision fractale de la colonisation d'un archipel. P. Evesque; R.C.P. "Milieu Aléatoire Macroscopique", Carry-le-Rouet, France, (1984)
- c9- Does the spectral exponent influence the growth of a diffusion limited aggregate? P. Evesque, C.L. Yang & M.A. El-Sayed; Conference in Non-Linear Science, U.C.L.A., Los Angeles, Californie, U.S.A., (21-22 juin 1985)
- c10- Transient grating experiments in percolations. P. Evesque, A. Bourdon & J. Duran; 5<sup>th</sup> International Conference on Dynamical Processes in the Excited States of Solids, Lyon (DPC 85), (1-4 juillet 1985)
- c11- Fractal and fractal-like behavior in dipolar energy transfer and electrodeposited aggregates. P. Evesque, C.L. Yang & M.A. El-Sayed; Gordon Research Conference on Fractals, Hawthorne College, Antrim, New Hampshire, U.S.A., (15-19 juillet 1985); **Conférence invitée**
- c12- Réactions chimiques dans des espaces fractals. P. Evesque & J. Duran; Journée Fractale à ELF, Tour Elf Paris-La-Défense, (Octobre 1985)
- c13- La dimension spectrale est-elle une caractéristique pertinente d'un agrégat obtenu par électrodéposition. P. Evesque, C.L. Yang & M.A. El-Sayed; Journée Surface et Interface, E.N.S.C.P., Paris, (octobre 1985)
- c14- Diffusion dans les fractales et réseaux transitoires. P. Evesque; Réunion R.C.P. 80761, Processus Photodynamiques Moléculaires en Phase; Condensée, Paris, (5-6 décembre 1985)
- c15- Fractal aggregates grown by electrodeposition. P. Evesque; 2nd Workshop on Electrodeposition, Bruges, Belgique, (15-18 avril 1986); **Conférence invitée**
- c16- Cinétique de réaction sur un espace fractal. P. Evesque; Réunion FICH-5, Les Houches, France, (3-6 février 1986); **Conférence invitée**
- c17- Four-wave mixing technique and coherence effect on electronic states of dye molecules. M.T. Portella, P. Montelmacher, A. Bourdon, P. Evesque & J. Duran; 1<sup>ère</sup> Conférence Internationale LASER M2P, Lyon, France, (7-9 juillet 1987)
- c18- Degenerate four-wave mixing experiments on dye molecules in film: coherent effect. M.T. Portella, P. Montelmacher, A. Bourdon, P. Evesque & J. Duran; Unconventional Photoactive Solids, Emil Warburg Symposium, Schloss Elmau, R.F.A., (11-15 octobre 1987); **Conférence invitée**
- c19- Instability in a sand heap under vertical vibration. J. Rajchenbach & P. Evesque; 4<sup>ème</sup> Conférence EPS de l'Etat Liquide sur l'Hydrodynamique des Milieux Dispersés; Arcachon, France, (24-27 mai 1988)
- c20- Instability of the horizontal free surface of a glass bead packing vertically shaken. J. Rajchenbach & P. Evesque; 1988 Fall Meeting of the Material Research Society, Boston, Mass., U.S.A., (28 novembre-3 décembre 1988)
- c21- Statistics of bead avalanches in a partly filled rotating cylinder. P. Evesque & J. Rajchenbach 1988 Fall Meeting of the Material Research Society, Boston, Mass., U.S.A., (28 novembre-3 décembre 1988)
- c22- Statistique des avalanches de billes. P. Evesque et J. Rajchenbach, Journées de Physique Statistique, Paris, (26-27 janvier 1989)
- c23- Instabilité de surface dans un tas de sable. J. Rajchenbach & P. Evesque, 9<sup>ème</sup> Congrès Français de Mécanique, Metz, France, (5-8 septembre 1989)
- c24- Instability in a sand heap. P. Evesque, Solid State Physics Conference, Warwick, G.B., (19-21 décembre 1989), **conférence invitée**
- c25- Sandpile avalanches: towards a self-organized state? The Granta Gravel approach. P. Evesque; Journées Suspension-Lits Fluidisés, Carry-le-Rouet, France, (28-30 mai 1990)

- c26- Sandpile experiments. P. Evesque; Workshop on Self-Organized Critical Phenomena, Copenhagen, Denmark, (31 mai-2 juin 1990); **Conférence invitée**
- c27- Sandpile: basic ideas for psammodynamics. P. Evesque; Dynamics Days, Düsseldorf, R.F.A., (20-23 juin 1990); **Conférence invitée**
- c28- La mécanique des avalanches de grains. P. Evesque; Journées "Conducteurs Granulaires", de la S.E.E., Palais de la Découverte; Paris, (10 octobre 1990)
- c29- La mécanique du tas de sable. P. Evesque; Journée "Métallurgie des Poudres" en l'honneur de Jules Caisso ; Poitiers, (4 décembre 1990); **Conférence invitée**
- c30- Are basic concepts of sandpile physics modified under microgravity? P. Evesque; International conference on Hydromechanics and heat/mass transfer in microgravity; Perm-Moscow, URSS, (6-14 juillet 1991)
- c31- Mécanique des matériaux granulaires: Passage micro-méso-macro et fluctuations ; P. Evesque; Rencontre NSF-CNRS: Joint US-France workshop on Recent; Advances in geomechanical, geotechnical and geo-environmental engineering; IFP, Rueil-Malmaison, France, (1-3 juin 1992)
- c32- Effet de la densité sur les avalanches; P.Evesque & P.Porion; Particules: transport, ségrégation, mélange; Carry-le-Rouet, 3-5 juin 1992
- c33- Déformation quasi-statique du tas de sable: La Psammomécanique ; P. Evesque; Particules: transport, ségrégation, mélange; Carry-le-Rouet, 3-5 juin 1992
- c34- Les avalanches de grains. P. Porion, G. Joly & P. Evesque; Congrès SFP, session physique des milieux granulaires; Lille, (2-4 septembre 1992)
- c35- Effets des rotations sur la micro-mécanique des déformations d'un empilement de disques; P. Evesque & W. Meftah; Gréco-géomatériaux, Aussois, (23-27 novembre 1992)
- c36- Convection cell flow in a horizontally vibrated sandpile; P. Evesque; MRS fall meeting, session P (disordered systems); Boston (30 novembre-4 décembre 1992)
- c37- On some experimental analogy between plastic deformation of 2-D packings and disordered anti-ferromagnetic problems ; P. Evesque & W. Meftah; MRS fall meeting, session P (disordered systems); Boston (30 novembre-4 décembre 1992)
- c38- How to stop a hourglass using vertical vibrations; P. Evesque & W. Meftah; MRS fall meeting, session P (disordered systems); Boston (30 novembre-4 décembre 1992)
- c39- Pile density is a controlling parameter of sandpile avalanches: P. Porion & P. Evesque; MRS fall meeting, session P (disordered systems); Boston (30 novembre-4 décembre 1992)
- c40- On some experimental analogy between plastic deformations of 2-D packings of disks and spin glass physics; W. Meftah, P. Evesque, F. Radjai, J. Biarez et D. Sornette; "Powder & Grains 1993", Birmingham, 12-16 juillet 1993
- c41- Avalanches en centrifugeuse; P. Porion, P. Evesque, P. Habib, M.P. Luang; séminaire Macro-gravité- LCPC Nantes, Nantes, 30 mars 94
- c42- Frottement solide et avalanches dans les matériaux granulaires.; P. Porion, P. Evesque & G. Joly; 4ème journée de la matière condensée, Rennes, 31 Août-2 Septembre 1994
- c43- Flow Instabilities in Granular Materials. P. Evesque; Powder Metallurgy 1994, 6-9 juin 1994, Paris -La-Défense; **conférence plénière invitée**
- c44- Avalanches en centrifugeuse. P. Evesque; journées GEO 94, Aussois 21-25 Novembre 1994
- c45- Mécanique du tas de sable . P. Evesque; GDR Rhéologie des suspensions denses; Aussois, 4-8 décembre 1994
- c46- Quasi-static deformation of granular materials: friction, dilatancy, convection, diffusion. P. Evesque; Congrès: Les Dynamiques lentes des milieux hétérogènes mous, Les Houches, 31/1/95-10/2/95; **conférence invitée**
- c47- Rotation, convection et diffusion des grains dans un talus soumis à des sollicitations cycliques ; P. Evesque; Géo 95, Aussois, 5-15 déc. 1995
- c48- La localisation dans les milieux granulaires bi-dimensionnels géométriquement ordonnés, W. Meftah , J. Biarez, P. Evesque & G. Lateb ; Journées GEO 95, Aussois, 11-15 Déc. 95
- c49- Comparaison entre les mouvements convectifs quasi-statiques et ceux obtenus sous vibration dynamiques; P. Evesque; Atelier "Géosuspension"; Montpellier - La Grande Motte, 4-6 Octobre 1995; **Conférence invitée**
- c50- Quasi-static convection; P. Evesque; Réunion GDR PMMH, LCPC-Paris, 16 Janvier 1996
- c51- De l'ordre au désordre pour des cylindres parallèles: aspect statique; G. Latèbe, J. Biarez, P. Evesque et W. Meftah; 2ème Congrès de Mécanique du Maroc, Lille, 13-14 juin 1996
- c52- Vibrational dynamics of a granular medium saturated by fluids; P. Evesque, A. Ivanova, V.G. Kozlov, D. Lyubimov & B. Roux; Congrès: the second French-Israeli conference on complex fluids; Saint-Malo: 6-11 October 1996
- c53- The conventional way to calculate stress-strain distribution in granular materials; P. Evesque, A. Modaresi; Congrès: the second French-Israeli conference on complex fluids; Saint-Malo: 6-11 October 1996
- c54- Some static behaviour of granular material; P. Evesque; Réunion GDR PMMH, Jussieu, 22 Novembre 1996
- c55- Some problems of vibration of granular material and of fluids for space experiments; P. Evesque; Biennial meeting of the European Low Gravity Association (ELGRA) , 17-19 mars 1997, Paris
- c56- Stress propagation in piles: effects of boundary conditions; P. Evesque; Réunion GDR PMMH, Jussieu, 30 avril 1997
- c57- Macroscopic viewpoint of the mechanics of granular material: Application to avalanches and convection; P. Evesque; Institut of theoretical Physics, University of California at Santa Barbara, Participation au programme "Jamming & Rheology" organisé par l'ITP de UCSB Sept. 97. **communication invitée**
- c58- Calcul des contraintes dans un milieu granulaire conique ou triangulaire; P. Evesque, A. Modaresi, S. Boufellouh; GDR PMMH, ESPCI, Paris, 12 juin 1998
- c59- Few problems of granular materials: from stress distribution in piles to gas-like behaviour in  $\square$ g; P. Evesque, Granular Materials: Statics, Excitations and Dynamics, 25-26 June 1998, Albuquerque NW, USA, (a Center for Advance Studies workshop) **conférence invitée**
- c60- A new simple modelling of the mechanics of granular media; P. Evesque; ALERT Geomaterials, Aussois-France (24-27 octobre 1999)
- c61- New simple modelling of quasi-statics of granular materials : simple predictions; P. Evesque; Journée GDR PMHC-granulaires secs-ESPCI, (19 novembre 1999)
- C62- Distribution des contraintes dans tas soumis à une rotation; P. Evesque; Journée du GDR MIDI, ESPCI, Paris, 13/12/2000:

- C63- Compte rendu d'activité du Topical Team Chemical Physics in near critical fluids; P. Evesque; ESA-ESTEC-Nordvik, NL, 5-6 février 2001
- C64- Compte rendu d'activité du Topical Team "Vibrational phenomena in  $\mu$ g"; P. Evesque; ESA-ESTEC-Nordwick,NL, 5-6 février 2001
- C65- Granular matter and water under rapid vibration; P. Evesque et al. , Congrès « fluides miscibles » ESPCI-2-5 juillet 2001
- C66- Effet des vibrations sur les fluides hétérogènes; P. Evesque, Réunion CNES séminaire prospective sous-thème: objets flottants Paris, 21/12/2001
- C67- Few effects induced by vibration in heterogeneous fluids; P. Evesque, TT vibration, 19 Mars 2002 (ESPCI-Paris)
- C68- Effets des vibrations rotatoires; P. Evesque, Réunion « Fluides sous Vibration » , ESPCI, France, 20 mars 2002
- C69- Mécanisme de Stick-slip dans un milieu granulaire : vers un grand volume élémentaire représentatif; F. Adjémian et P. Evesque; Réunion du GDR MIDI Carry-le-Rouet 11-13 Mars 2002
- C70- Notion de Volume Elementaire Représentatif dans un milieu granulaire : du gaz granulaire à l'essai triaxial; F. Adjémian et P. Evesque; Réunion du GDR MIDI Carry-le-Rouet 11-13 Mars 2002
- C71- Gaz granulaire en apesanteur : le cas limite des densités très faibles; P. Evesque, Y. Garrabos, D. Beysens, F. Palencia, C. Lecoutre; GDR 2258, ESPCI, 28 mai 2002
- C72- Statistique des stick-slip dans un ensemble de billes: effet de taille finie; F. Adjémian et P. Evesque; Réunion du GDR MIDI, ESPCI, Paris, 24 juin 2002
- C73- Gaz granulaires, clustering, démon de Maxwell, billard de Sinai: où est la mécanique des milieux continus? P. Evesque; Journées de Physique statistique, ESPCI, Paris, 30-31 janvier 2003
- C74- Génération de stick-slips par compression homogène dans un milieu granulaire  
F. Adjémian & P. Evesque; Journées de Physique statistique, ESPCI, Paris, 30-31 janvier 2003
- C75- "Vibrational phenomena in  $\mu$ g"; P. Evesque, Réunion Experimental status review Maxus 5, ESA-ESTEC-Nordwick,NL, 4 février 2003
- C76- Compte rendu d'activité du Topical Team "Vibrational phenomena in  $\mu$ g"; D. Beysens, P. Evesque, ESA-ESTEC-Nordwick,NL, 6-7 février 2003
- C77- Billards, gaz granulaires et agrégation en apesanteur, « Propriétés Mécaniques des matériaux granulaires étudiées en relation avec leur structure à l'échelle du grain. », Institut Navier, Marne-la-Vallée, 18 juin 2003,
- C78- Stick-slip dans les essais triaxiaux sur billes de verre, F. Adjémian (et P. Evesque), Propriétés Mécaniques des matériaux granulaires étudiées en relation avec leur structure à l'échelle du grain. Institut Navier, Marne-la-Vallée, 18 juin 2003,
- C79- Granular gas in weightlessness using parabolic flights, P. Evesque, Y. Garrabos, D. Beysens, Conference: "Parabolic flights user days", ESTEC, Noordwijk, Netherlands, 10-11 sept 2003
- C-80- Effect of Vibration in weightlessness conditions: application to heterogeneous fluids and Granular matter, P. Evesque, TT meeting on Vibrations for new vibration apparatus in micro-g: Paris ESA-HQ, 15-16 sept 2003
- C81- Can Translation Vibrations be Useful in the Process of Managing Particle Nucleation from Supercritical Fluids in Weightlessness, P. Evesque, PNF (Particle Nucleation Facility for Supercritical Media) Workshop, ESA-ESTEC, 3-4 March 2004, Netherlands
- C82- Effects of Vibrations on heterogeneous fluids in micro-g, P. Evesque, in ESF-ESSC-ESA initiative "Future of ESA-ELIPS and ISS utilisation", Scientific perspective of ELIPS, Obernai FRANCE, 5-7 Mai 2004 (**invited**)
- C83- Granular Gas Under Vibration and Weightlessness : The Case of low and very Low Density, P. Evesque, (Y. Garrabos, D. Beysens, F. Palencia), 91th Stat. Mech Conf., Rutgers Un. , Piscataway NJ, 16-18 May 2004
- C84- Efficient reduction of complexity and non ergodicity due to dissipation: the case of a single ball in a vibrating box, P. Evesque, (Y. Garrabos, D. Beysens, F. Palencia), At ICCS (International conf. On complex systems, Boston, Massachusetts, USA, 16-20 May 2004
- C85- Granular gases in weightlessness: the limit case of very low densities of non interacting spheres, P. Evesque, (Y. Garrabos, D. Beysens, F. Palencia & C. Lecoutre, in ISPS 2004, (international symposium on physical science in space)Toronto, Canada, 22-26 May 2004, ICCS 2004, and ISPS 2004 91th Statistical Mechanics conf (mai 2004)
- C86- Dynamique de spheres sans interaction dans une boîte vibrée en apesanteur, P. Evesque, (Y. Garrabos, D. Beysens, F. Palencia & C. Lecoutre), Journée de la matière condensée, MC27, Nancy 30 Août-3 Septembre 2004
- C87- Gaz granulaire de billes en interaction en régime de Knudsen dans une boîte cylindrique vibrée en apesanteur, P. Evesque, (Y. Garrabos, D. Beysens, F. Palencia & C. Lecoutre), Journée de la matière condensée, MC27, Nancy 30 Août-3 Septembre 2004
- C88- Statistical Mechanics of granular materials : The strange effect of rotation, P. Evesque, Workshop on Mesoscopic and nanométric materials, honouring Prof. M.A. El-Sayed, IUF, Paris 11-12 Octobre 2004-10-12, **Invited**
- C89- Quelques problèmes de physique des milieux granulaires en apesanteur, P. Evesque, Journée du GDR espace, Carry-le-Rouet, 18 Novembre 2004, **Invited**
- C90- Control of grains in 1g and in weightlessness, and effects of vibration, P. Evesque, TT "Vibration", ESA HQ, Paris 24 Mars 2005 (**organisateur**)
- C91- Experiments on vibrated granular matter and fluids in micro-gravity, P. Evesque, TT "non equilibrium complex matter", Alpe d'Huez, 4-6 Avril 2005, (**invited**)
- C92- Experiments on Granular Gases in Zero Gravity (8 juin 2005), P. Evesque, Session Granular physics, KITP Santa Barbara, 30Mai-27 juin 2005, (**invité**)
- C93- Granular physics conference, KITP, UCSB, Santa Barbara, Ca, USA, 20-23 juin 2005, invité
- C94- Powders and Grains 2005, Stuttgart, Allemagne, 18-22 juillet 2005, président de l'AEMMG, **Chairman de la session** mardi 19/7 14h-17h, **président** de l'AEMMG,
- C95- Granular dissipative gas in weightlessness: the ultimate case of very low densities and how to measure accurately restitution coefficient and its dependence on speed; Y. Garrabos, D. Beysens, F. Palencia, C. Lecoutre & P. Evesque; Powders and Grains 2005, Stuttgart, Allemagne, 18-22 juillet 2005
- C96- Dilute dissipative granular gas in Knudsen regime and in micro-gravity: evidence for a "velostat" as boundary conditions; P. Evesque, Y. Garrabos, C. Lecoutre, F. Palencia, and D. Beysens; Powders and Grains 2005, Stuttgart, Allemagne, 18-22 juillet 2005
- C97- A model of dissipative granular gas: the limit case of complete inelasticity of grain-grain collision; P. Evesque; Powders and Grains 2005, Stuttgart, Allemagne, 18-22 juillet 2005
- C98- Ultrasonic experiment coupled with triaxial test for micro-seismicity detection in granular media; F. Adjémian, P. Evesque & X. Jia; Powders and Grains 2005, Stuttgart, Allemagne, 18-22 juillet 2005

- C99- Role of material-property fluctuations on the failure in the numerical biaxial tests; K. Hamadi, A. Modaresi, P. Evesque & F. Darve; Powders and Grains 2005, Stuttgart, Allemagne, 18-22 juillet 2005
- C100- Gordon Research Conference « Engineering Science for Space exploration », Les Diablerets, Suisse, 21-26 Août 2005, **Invité (discussion leader)**
- C101- Airbus & Maxus 5 experiments on vibrated granular gas, Pierre Evesque, M. Leconte, C. Lecoutre, Y. Garrabos, F. Palencia, D. Beysens, ELGRA Biennial Symposium and General Assembly, Santorin, Grèce, 21-23 Sept 2005
- C102- The DECLIC program for the International Space Station, Y. Garrabos, C. Lecoutre, F. Palencia, D. Beysens, V. Nikolayev, P. Evesque, ELGRA Biennial Symposium and General Assembly, Santorin, Grèce, 21-23 Sept 2005
- C103- Gaz granulaire en micropesanteur. Démon de Maxwell Granulaire: différences entre version terrestre et version 0g. P. Evesque & M. Leconte, GDR MFA, Carry-le-Rouet, 16-19 Octobre 2005
- C104- Gaz granulaire en apesanteur : Quelques résultats récents. P. Evesque & M. Leconte, GDR MIDI, Carry-le-Rouet, 29-31 mai 2006
- C105- VIP-GRAN Instrument : the project, P. Evesque, ESA VIP Europe-Russia meeting, ESTEC, June 21, 2006
- C106- VIP-GRAN : the goals, P. Evesque, COMAT, Toulouse, 28 Août 2006, réunion de lancement d'étude
- C107- Structuration of matter under controlled vibrations, P. Evesque, CAS-CNRS-CNES meeting, Marseille, L2MP, 25-27 Sept 2006
- C108- Maxwell Demon revisited, P. Evesque, **Invitation at Institute of Physics** of Chinese Academy of Science, (Beijing 3Sept-16Sept 06),
- C109- VIP-GRAN : the goals (II), P. Evesque, ICMCB, Bordeaux, 28 Sept 2006, réunion de suivi d'étude
- C110- Is Granular material a plasma dust with dissipation? P. Evesque, International TT on near critical Fluids and plasma dusts; ESA-ESTEC, Noodwjick, Netherlands, 30-31 Oct. 2006
- C111- Topical team on Vibration & Granular Matter-VIP-Gran, ESA HQ, Paris, 7 Nov. 2006 (**Organisateur**)
- C112- Possible experiments to be planned in the future instrument VIP-Gran, P. Evesque, Topical team on Vibration & Granular Matter-VIP-Gran, ESA HQ, Paris, 7 Nov. 2006
- C113- Granular media under vibration in zero gravity: Transition From rattling to granular gas; P. Evesque, Y. Garrabos, G. Zhai M. Hou; 3rd Germany-China Workshop on Microgravity & Space Life Sciences, Berlin Oct 9-10, 2006
- C114- Topical team on Vibration & Granular Matter-VIP-Gran, ESA HQ, Paris, 24 Avril. 2007 (**Organisateur**)
- C115- Granular Matter in Micro-gravity .....and beyond, 1<sup>st</sup> China-French Microgravity workshop, CAS, Pékin, 2-3 Juillet 2007, Invitation
- C116- 3 Recent results on Granular gas under microgravity, ESPCI, 14 Mai 2008; satellite meeting on Granular-Matter Physics of the PG de Gennes Days.
- C117- Vibrated Granular matter on Earth, in 0g; P. Evesque & M. Hou; 2<sup>nd</sup> workshop Centrales-Beihang, 19 - 22 mai 2008, ECP, Châtenay-Malabry
- C118- Film Vibration et milieux granulaires sur terre et en apesanteur, P. Evesque, GDR MFA, Aussois 1-3 Dec 2008
- C119- Dynagran : The purpose and needs of the experimental set-up, Mécano ID, Toulouse, 5 Dec 2008
- C120- Some recent work on vibrated granular matter at ecp, P. Evesque, ESA-ESTEC, 5-6 Février 2009
- C121- Evidence for speed-symmetry breaking in steady state of dissipative granular gas in 0g, P. Evesque, R. Liu & M. Hou ; Oral Presentation at Powders & Grains 2009 (Golden, USA); Powders & Grains 2009, (Golden, Denver, Colorado, 13-17 July 2009); publié in Poudres & Grains 17 (19) 563-576 (2009)
- C122- Simulations of vibrated granular media and comparisons to 0-g experiments, P. Evesque, R. Liu, M. Hou, (Biannual ELGRA meeting, Bonn, Germany, 1-4 Sept 2009)
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- v5- La matière en grains.  
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- v6- La psammodynamique: un art millénaire, une science à naître? <sup>33</sup>  
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- v7- Du sable liquide <sup>42</sup>  
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- v11- La mécanique des poudres <sup>70</sup>  
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- v12- Sablier inversé <sup>89</sup>  
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- v13- Poudres, grains et vibrations...sur terre et en apesanteur  
P. Evesque  
**Du 27 février au 27 avril 2008**, palais de la Découverte, stand "un chercheur-une manip"  
**Conférences invitées**
- V14- 3 films à l'occasion du stand Un chercheur une manip ; Poudres, grains et vibrations...sur terre et en apesanteur  
Vibrations et milieux granulaires sur terre et en apesanteur, Film 22mn, éditeur : Palais de la Découverte (2008), un chercheur-une manip Février Avril 2008  
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- v18- P. Evesque ; « Matériaux granulaires et impesanteur » ; *Centraliens* n°599, 58-62 (2010)
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- Etude de la faisabilité de l'instrumentation d'une préforme  
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- Etude des vibrations et de l'influence du "rocking" sur les caractéristiques des vibrations d'un caisson plein de sable  
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- Rapport du Topical Team vibrations meeting Paris, 16 mars 2000

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Ségrégation-mélange et quelques problèmes de vibration de milieux granulaires, 2h30, Master de Pharmacie, Université Paris XI, 16 décembre 2004, Châtenay-Malabry

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Mécanique statistique des milieux granulaires et degrés de liberté de rotation: quelques effets surprenants, LPMHC, ESPCI, Paris, 13 Mai 2005

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Structuration of matter under controlled vibrations; CAS-CNRS-CNES meeting, Marseille, L2MP, 25-27 Sept 2006

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Objectives of the meeting; Topical team on Vibration & Granular Matter-VIP-Gran; ESA HQ, Paris, 7 Nov. 2006  
The future instrument VIP-Gran; Topical team on Vibration & Granular Matter-VIP-Gran; ESA HQ, Paris, 7 Nov. 2006  
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