

## Jean-Claude de Miscault

17 September 2011

### Selected publications

- **Adaptive optics with segmented mirror or deformable mirror**, J.-P. Gaffard, C. Davila, J.-C. de Miscault and G. Roger, Journal de Physique, Colloque C9, Supplément au n°11, Tome 41, Novembre 1980, page C9-269.
- **Adaptive Optic Modal Control**; J.-P. Gaffard, C. Touraut, J.-C. de Miscault, ThI5, Conference on Lasers and Electro-Optics, 1984
- **Thermal imaging system for material processing**, D. Auric, E. Hanonge, E. Kerrand, J.-C. de Miscault, Proc. SPIE, High Power Lasers, Vol. 801, pp. 354-358
- **Granulomètre submicronique à résolution élevée**, J. Cornillault, J.-L. Duvent, F. Pierré, J.-C. de Miscault, Revue des télécommunications, Vol. 61, n°4, page 446, 1987
- **Adaptive System Control. Definition and Use of the Interaction Matrix**, Séchaud, M.; Rousset, G.; de Miscault, J. C.; Hanonge, E. Very Large Telescopes and their Instrumentation, ESO Conference and Workshop Proceedings, held in Garching, March 21-24, 1988, p.725
- M. Duchet, L. Cabaret, A. Laurens, J. C de Miscault, "**Space Power Supply Networks Using Laser Beams**", Space Power, 11, 241-250, 1992.
- Bohn, W. L., Miscault, J.-C. de: **Lasers solides de Moyenne Energie, Perspectives** . Journée thématique DRET, 26 novembre 1996, Paris
- **High precision system for wavefront control**, Pascal Jagourel, Christian Maennel and Jean-Claude de Miscault, Osaka, 1999, Proc. SPIE Vol. 3885, p. 530-537, High-Power Laser Ablation II
- **Vorstellung von CILAS und von Kooperationen mit Ost-Europa**, J.-C. de Miscault, LASER-OPTIK-BERLIN 2002, 6 – 7 mars 2002
- **Nouvelles applications en « Traitement et propagation de faisceaux laser »**, Participation à la table ronde, J.-C. de Miscault, Société Française d'optique, Ecole d'été des Houches, 30 avril 2002
- **Problems of creation of high-pressure wide-aperture CO<sub>2</sub>-amplifiers**, W. Bohn, J. C. de Miscault, V.V. Apollonov, G. A. Baranov, A. A. Kuchinsky, GCL-HPL 2002, Wroclaw, Poland, August 2002
- **Tracking, Propagation And Focusing Of Laser Beams**, Mr. Jean-Claude de Miscault, Directed Energy Weapons 2004, January 19 - 20, 2004, The Café Royal, London, UK
- **Hg<sub>1-x</sub>Cd<sub>x</sub>Ga<sub>2</sub>S<sub>4</sub> crystals as new materials for mid-infrared parametric oscillators pumped by Nd:YAG lasers**, Mitin, K.; Schebetova, N.; Seryogin, A.; Sinaisky, V.; Kuzmin, N.; Laptev, V.; Malinovsky, A.; Ryabov, E.; Mangin, J.; Gadret, G.; Jules, J.-C.; Mennerat, G.; Pasquer, C.; de Miscault, J.-C. Conference on Lasers and Electro-Optics, 2004. (CLEO).
- **High Resolution Imaging Using Active Optical Synthesis of Aperture**, J.-C. de Miscault, CILAS, FR, P. Inshin, FEMTO, RU, A. Aleksandrov, FEMTO, RU, M. Séchaud, ONERA, 2nd AAAF International Conference on Missile Defence, 16 septembre 2004, Florence
- **Recent progress in the synthesis of transparent laser ceramics**, Yoël Rabinovitch, Daniel Tétard, Jean-François Baumard, Jean-Claude de Miscault, oral presentation at E-MRS Fall Meeting 2005, Laser Ceramic Symposium

- **Comprehensive formulation of temperature-dependent dispersion of optical materials: illustration with case of temperature tuning of a mid-IR HgGa<sub>2</sub>S<sub>4</sub> OPO**, Mangin, Jacques; Mennerat, Gabriel; Gadret, Grégory; Badikov, Valery; de Miscault, Jean-Claude, JOSA B, Vol. 26 Issue 9, pp.1702-1709 (2009)
- **Albert CLAVIER, De l'Indochine coloniale au Vietnam libre, Je ne regrette rien**, Jean-Claude de Miscault, Perspectives France-Vietnam, n° 68, janvier 2009, Bibliographie, page 23
- **Picosecond microchip Q-switched laser**, F Doutré, V Couderc, D Pagnoux, A Jalocha, J-C de Miscault, OPTRO 2010, 3-5 February 2010, Paris
- **European technical dependency in optical and laser materials and ways of improvement**, Agata Jozwicka, Vincent Baudinaud, Jean-Claude de Miscault, Jean-Eucher Montagne, Emmanuel Sein, Brigitte Serreault, CONFERENCE on EUROPEAN TECHNOLOGY non-DEPENDENCE, 13-14 April 2011, Budapest
- **Triggering, guiding and deviation of long spark discharges with femtosecond laser filament**, B. Forestier, A. Houard, M. Durand, Y.B. André, B. Prade, A. Mysyrowicz, M. Le Névé, J.C. de Miscault, I. Revel and D. Chapuis, Conference on Lasers and Electro-Optics, 2011 (CLEO), CThFF1