

## LIST OF PUBLICATIONS

GEORGE MARINESCU

### Journal Articles

- (1) Berezin-Toeplitz quantization on Kähler manifolds  
to appear in Journal de Crelle, arXiv: 1008.4405, 2010, 44 pp. (with X. Ma).
- (2) Szegő kernel asymptotics and Morse inequalities on CR manifolds  
to appear in Math. Z., arXiv: 1005.5471, 2010, 36 pp. (with C.-Y. Hsiao).
- (3) Toeplitz operators on symplectic manifolds  
J. Geom. Anal. **18** (2008), No. 2, 565–611 (with X. Ma).
- (4) Generalized Bergman kernels on symplectic manifolds  
Advances in Math. **217** (2008), 1756–1815; announced in C. R. Acad. Sci.  
Paris Sér. I Math. **339** (2004), 493-498 (with X. Ma).
- (5) Embeddability of some strongly pseudoconvex CR manifolds  
Trans. Amer. Math. Soc. **359** (2007), 4757-4771 (with N. Yeganefar).
- (6) On the compactification of hyperconcave ends and the theorems  
of Siu-Yau and Nadel  
Invent. Math. **164** (2006), no. 2, 233–248; announced in C. R. Acad. Sci.  
Paris Sér. I Math. **342** (2006), no. 9, 675–680 (with T.-C. Dinh).
- (7) The first coefficients of the asymptotic expansion of the Bergman  
kernel of the spin-c Dirac operator  
Internat. J. Math. **17** (2006), no. 6, 737–759 (with X. Ma).
- (8) On Moishezon spaces with isolated singularities  
Annali di Matematica Pura ed Applicata **185** (2005), no. 1, 1–16.
- (9) Generalized Bergman kernels on symplectic manifolds  
C. R. Acad. Sci. Paris Sér. I Math. **339** (2004), no. 7, 493–498 (with X. Ma).
- (10) The  $spin^c$  Dirac operator on high tensor powers of a line bundle  
Math. Z. **240** (2002), 651–664 (with X. Ma).
- (11)  $L^2$  holomorphic sections of bundles over weakly pseudoconvex  
coverings  
Geometriae Dedicata **91** (2002), 23–43 (with R. Todor, I. Chiose).
- (12) Morse inequalities for covering manifolds  
Nagoya Math. J., **163** (2001), 145–165 (with R. Todor, I. Chiose).
- (13) Homotopic resolutions and the de Rham morphism  
Collection of papers in memory of Martin Jurchescu. Rev. Roumaine Math.  
Pures Appl. **43** (1998), no. 1-2, 173–182 (with A. Popa).
- (14) Asymptotic Morse inequalities for pseudoconcave manifolds  
Ann. Sc. Norm. Sup. Pisa Cl. Sci. (4) **23** (1996), no. 1, 27–55.

- (15) An application of the Bochner-Kodaira-Nakano formula  
Proceedings of the Second International Workshop on Differential Geometry  
and its Applications (Constanța, 1995). An. Științ. Univ. Ovidius Constanța  
Ser. Mat. **3** (1995), no. 2, 65–70.
- (16) The curvature of numerically effective line bundles and  
vanishing theorems  
Rev. Roumaine Math. Pures Appl. **39** (1994), no. 1, 37–42.
- (17) Inégalités de Morse pour les fibrés  $q$ -positifs sur une variété  
faiblement pseudoconvexe  
C. R. Acad. Sci. Paris Sér. I Math. **315** (1992), no. 8, 895–899.
- (18) Une propriété du spectre des variétés compactes à singularités  
coniques  
An. Univ. Timișoara Ser. Științ. Mat. **30** (1992), no. 1, 25–32.
- (19) Asymptotic Morse Inequalities  
Stud. Cerc. Mat. **43** (1991), no. 5-6, 243–297.
- (20) On the set of points where a monotonous function  
is differentiable  
Stud. Cerc. Mat. **40** (1988), no. 5, 429–434.

### Preprints

- (1) Berezin-Toeplitz quantization on Kähler manifolds  
Preprint arXiv: 1008.4405, 2010, 44 pp. (with X. Ma).
- (2) Szegő kernel asymptotics and Morse inequalities on CR manifolds  
Preprint arXiv: 1005.5471, 2010, 36 pp. (with C.-Y. Hsiao).
- (3) Existence of holomorphic sections and perturbation of  
positive line bundles over  $q$ -concave manifolds  
Preprint arXiv: 0402041, 2004, 18pp.
- (4) Some applications of the Kohn-Rossi extension theorems  
Preprint arXiv: 9705203, 1997, 15 pp.

### Books

#### *Holomorphic Morse Inequalities and Bergman kernels*

(with X. Ma)

Progress in Mathematics, vol. 254, 2007, 422 p. (Birkhäuser Verlag)

*Ferran Sunyer i Balaguer Price 2006*

#### Habilitationsschrift

The Laplace Operator on High Tensor Powers of Line Bundles

Humboldt-Universität zu Berlin, 2005

#### Dissertation

Non-compact Holomorphic Morse Inequalities and Applications

Université Paris VII, 1994