

Issam Louhichi

CURRICULUM VITÆ

Name: Issam Louhichi

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Citizenship: Tunisian

Date of birth: June 07, 1977

Languages: English, French, Arabic.

Education

2005 Ph.D. in Mathematics. I defended my doctoral thesis entitled *Products of Toeplitz operators on the Bergman space* on November 09, 2005. The committee at the defense consisted of :

-Professor Nikolai Nikolski : President of the jury (Université Bordeaux 1, France)

-Professor Bernard Chevreau : Examiner (Université Bordeaux 1, France)

-Professor El Hassan Youssfi : Examiner (Université de Provence, France)

-Professor Ali Baklouti : Referee (Faculté des Sciences de Sfax, Tunisia)

-Professor Elizabeth Strouse : Supervisor (Université Bordeaux 1, France).

My thesis work was supervised by Professor Elizabeth Strouse (Université Bordeaux 1, France) and Professor Houcine Chebli (Faculté des Sciences de Tunis, Tunisia).

2002–2005 Ph.D. student in Mathematics at Université Bordeaux 1.

2001–2002 *D.E.A.* (Master, 2nd year): Pure mathematics at Université Bordeaux 1.

2000–2001 *D.E.A.* (Master, 2nd year) : Applied mathematics at Ecole Nationale d'Ingénieurs de Tunis.

1998–2000 *Licence, Maîtrise* (Bachelor and Master, 1st year) at Faculté des Sciences de Tunis.

Work experience

2006–2007 Visiting Assistant Professor at The University of Toledo (USA).

2005–2006 Attached temporary of teaching and research at Université Bordeaux 1 (France).

Research

Toeplitz operators on Bergman and Hardy spaces.

Products and commutativity of Toeplitz operators.

Boundedness and compactness properties of Toeplitz operators.

Publications

- 1) (with L. Zakariasy) *On Toeplitz operators with quasihomogeneous symbols*. Archiv der Mathematik. Volume **85**, Number 3 (2005), 248-257.
- 2) (with E. Strouse and L. Zakariasy) *Products of Toeplitz operators on the Bergman space*. Integral Equation and Operator Theory. Volume **54** Number 4 (April 2006) 525-539.
- 3) *Powers and roots of Toeplitz operators*. The Proceedings of the American Mathematical Society. Volume **135**, Number 5 (May 2007), 1465-1475.
- 4) (with A. Olofsson) *Characterizations of Bergman space Toeplitz operators with harmonic symbols*. J. Reine Angew. Math., to appear.
- 5) (with N. V. Rao) *Bicommutants of Toeplitz operators*. Preprint (2007).
- 6) (with Ž. Čučković) *Finite rank commutators and semicommutators of Toeplitz operators with quasihomogeneous symbols*. Preprint, to appear in Complex Analysis and Operator Theory (2007).

Conferences and meetings

- *SEAM XXIII*. [March 9-11, 2007] University of Richmond (USA).
- *Spaces of holomorphic functions and their operators*. [June 5-9, 2006] CIRM, Marseille (France).
- *Ecole de Printemps d'Analyse Fonctionnelle* [May 22-25, 2006] Rabat (Morocco).
- *Second advanced course in operator theory and complex analysis*. [June 8-11, 2005] Seville (Spain).
- *Banach Algebras and their Application*. [July 3-13, 2005] Bordeaux (France).
- *Journées Complexes du Sud*. [January 28-30, 2005] Moissac (France).
- *Fourth Annual Meeting of the European Research Network "Analysis and Operators"*. [May 1-7, 2004] Dalfsen (Netherlands).
- *Bergman Spaces and Related Topics in Complex Analysis : a conference in honor of Boris Korenblum's 80th birthday*. [November 20-22, 2003] Barcelona (Spain).
- *Third Conference of the European Research Network "Analysis and Operators"*. [May 21-26, 2003] Tenerife, Canary Islands (Spain).

Teaching

- **2007–2008:**

- * Spring Semester:

- * *Calculus III, Elem Multivariables Calculus*, MATH-2850.

- * *Linear Algebra II*, MATH-4310.

- * Fall Semester:

- * *Calculus II*, MATH-1860.

- * *Calculus III, Elem Multivariables Calculus*, MATH-2850.

- * *Applied statistics and Design of Experiments*, ENGT-3010.

- * *Calculus-Life Sciences w/app II*, MATH-1760.

- **2006–2007:**

- * Fall Semester :

- * *Calculus-Business w/app I*, MATH-1260

- * *Calculus-Life Sciences w/app I*, MATH-1750.

- * Spring Semester:

- * *Calculus for Eng Tech II*, MATH-2460.

- * *Introduction to Abstract Algebra*, MATH-3320.

- * Summer Semester: *Numerical Methods and Linear Algebra*, MATH-2890.

- **2005–2006:**

- * *Real analysis*, second semester, Université Bordeaux I.

- * *Linear algebra, probability and statistics*, fourth semester, Université Bordeaux 1.

- * *Transforms*, for students engineers, ESTIA Institute of advanced Industrial Technology.

- **2004–2005:** *Linear algebra, probability and statistics*, second semester, Université Bordeaux 1.

- **2002–2003:** *Real analysis*, second semester, Université Bordeaux 1.