Peter Balazs

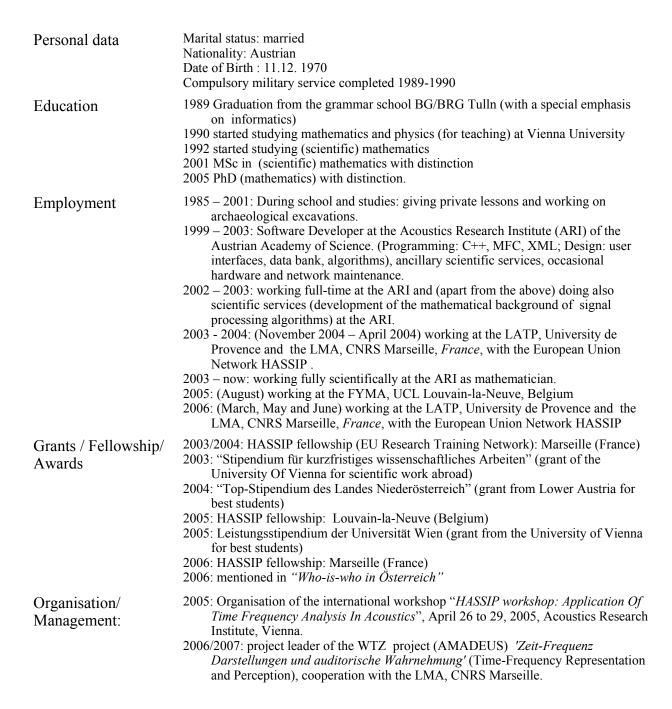
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Scientific Memberships	<i>IEEE</i> Member (Signal Processing Society), NuHAG member.
Reviewer	Journal, Applied and Computational Harmonic Analysis'
Teaching	2005: , <i>Repetitorium zu Lineare Algebra und Geometrie 1</i> ' (Universität Wien, Fahultät für Mathematik)
Publications	 Theses: "Polynome über Gruppen" (polynomials over groups); Diplomarbeit Universität Wien; Master Thesis (2001) "Regular and irregular Gabor frame multipliers with application to psychoacoustical masking"; PhD thesis (2005)
	 Publications in Journals: P. Balazs, H.G. Feichtinger, M. Hampejs, G. Kracher; "Double Preconditioning for Gabor Frames"; accepted IEEE Trans. Sign. Proc. (2006) W. Kreuzer, P. Balazs, H. Waubke, "A stochastic 2D-model for calculating vibrations in liquids and soils", submitted (2005) P. Balazs, "Bessel, Frame and Riesz Multipliers", J. Math. Anal. Appl. (2006, in press) P. Balazs, "Matrix Representation of Operators Using Frames", submitted (2006)
	 Publications at Conferences (with proceedings): P. Balazs, A. Noll, W.A.Deutsch, B.Laback; "Concept of the integrated signal analysis software system STX"; ÖPG 2000 P. Balazs, H. Waubke, W.A. Deutsch; "Phasenanalyse mit akustischen Anwendungsbeispielen"; DAGA 2003 H. Waubke, P. Balazs; "Verwendung der zeitliche Rücktransformation zur Berücksichtigung der Kausalität in Spektren mehrdimensionaler Fourier Transformationen"; DAGA 2003 H. Waubke, P. Balazs, B. Jilge, W. Kreuzer; "Waves in Random Layers with Arbitrary Covariance Functions", 12th International Congress on Sound and Vibration, Lisbon, (2005)
	 Publications at Conferences (with published abstracts): Many presentations at conference and workshops with published abstracts. As an example in the last year (2005): P. Balazs, H.G. Feichtinger, M. Hampejs, G. Kracher; "Double Preconditioning of the Gabor Frame Operator", HASSIP Workshop 'Application Of Time Frequency Analysis In Acoustics', April 26 to 29, 2005 P. Balazs, "Double Preconditioning for Gabor Frames", ESI05: Special Semester "Modern Methods of Time-Frequency Analysis", Fourth Workshop on "Noncommutative Computational Harmonic Analysis", Monday, July 4 Thursday, July 7. 2005 P. Balazs, "Gabor Multipliers with Application to Psychoacoustics", Workshop on "Time-frequency analysis and nonstationary filtering" at the Banff International Research Station (BIRS), Saturday, September 24 Thursday, September 29. 2005 Posters: P. Balazs, A. Noll; "Masking filter, phase vocoder and STX – an introduction"; SAMPTA 2003 W.A. Deutsch, S. Moosmüller, A. Noll, P. Balazs & J. White; "What is S_Tools-STx? PC based Software Package for Intelligent Sound Processing,,; Eurospeech 2003 P. Balazs; "Regular And Irregular Gabor Multipliers With Application To Psychoacoustic Masking" Modern Methods of Time-Frequency Analysis, Strobl, Austria (2005)

	Others:
	 •P. Balazs, W. A. Deutsch, A. Noll, J. Rennison, J. White, <i>STx Programmer Guide</i>, Version: 3.6.2, http://www.kfs.oeaw.ac.at/software/stx_manual/programmerguide/Programmer% 20Guide.pdf (2005) •A. Noll, W. A. Deutsch, Balazs, P. & J. White ; "<i>Intelligent Sound Processing S_TOOLS - STX User's Guide</i>" ; Acoustics Research Institute, Austrian Academy of Sciences Vienna. (2001)
Presentations / Talks:	Many talks and presentations at conference and workshops. As an example in the last year (2005):
	 "Double Preconditioning for the Gabor Frame Operator", Mini Gabor-workshop Vienna, January 2005 "Regular And Irregular Gabor Multipliers With Application To Psychoacoustic Masking", Defensio, Juni 2005 "Regular And Irregular Gabor Multipliers With Application To Psychoacoustic Masking", Mitarbeiter-Evaluation, Juni 2005 "Gabor Multipliers With Application To Psychoacoustic Masking", at the LMA, CNRS Marseille, November 2005
Special skills / memberships	 <i>Computer</i>: vast knowledge due to school and university education, working experience and private interest: Applications: working experience: Microsoft (Office, Visual Studio), Matlab; good knowledge: Maple, MathCad, statistics (SPSS) and many more Operating systems: working experience: DOS, Windows (all), basic knowledge of Unix Programming languages: working experience: C++ (plus MFC), good knowledge: Visual Basic, Java, basic knowledge of Fortran, assembler and others working experience with HTML, XML and TeX <i>Kunstwerkstatt Tulln:</i> commitment to this art-club for years (1988-1996). For one year (1996) president. <i>Ravens Tulln:</i> commitment to this baseball club for years (1999-now), member of the board (2000-2005), team player. <i>Manual Skills</i>: wooden floor installation, wall repairs, plastering, ancillary electrical and network installation.
Languages	German: native tongue English: fluent Russian: 4 years at high school French: very basic knowledge
Other hobbies and interests	<i>Music</i> : playing the drums <i>Sport</i> : baseball, skiing, sailing <i>Games</i> :of all kinds, especially computer, roleplaying and card games