

LIST OF PUBLICATIONS

Ferenc Schipp

- [1] *Matematikai példatár*, Tankönyvkiadó, Budapest, 1963. (Szabó Dániellel és Turczy Gyulával)
- [2] *Közönséges differenciálegyenletek*, Tankönyvkiadó, Budapest, 1965. (Kósa Andrással és Szabó Dániellel)
- [3] *Folytonos függvények Walsh-Fourier sorfejtése*, egyetemi doktori értekezés, ELTE TTK, Budapest, 1965.
- [4] Construction of a continuous function, whose Walsh series diverges at a prescribed point, *Annal Univ. Sci. Budapest. Sect. Math.*, **9** (1966), 103-108.
- [5] **Frank P. and von Mises R.**, *A mechanika és fizika differenciál- és integrálegyenletei*, Műszaki Könyvkiadó, Budapest, 1966. (VIII-IX. fejezet fordítása)
- [6] Über die Größenordnung der Partialsummen der Entwicklung integrierbarer Funktionen nach W-Systemen, *Acta Sci. Math.*, **28** (1967), 123-134.
- [7] Über W-Fourierreihen mit nichtnegativen Partialsummen, *Annales Univ. Sci. Budapest. Sect. Math.*, **10** (1967), 113-116.
- [8] Bemerkung zur Divergenz der Walsh-Fourierreihen, *Annales Univ. Sci. Budapest. Sect. Math.*, **11** (1968), 53-58.
- [9] *Walsh-Fourier sorfejtésekről*, kandidátusi értekezés, Budapest, 1969.
- [10] Über die starke Summation von Walsh-Fourierreihen, *Acta Sci. Math.*, **30** (1969), 77-87.
- [11] Walsh-Fourier-sorok erős approximációjáról, *MTA III. Oszt. Közl.*, **19** (1969), 101-111.
- [12] Bemerkung zur starken Summation der Walsh-Fourierreihen, *Acta Math. Acad. Sci. Hung.*, **20** (1969), 263-274.
- [13] Über Walsh-Fourierreihen mit nichtnegativen Partialsummen, *Annales Univ. Sci. Budapest. Sect. Math.*, **12** (1969), 43-48.

- [14] Über die Divergenz der Walsh-Fourierreihen, *Annales Univ. Sci. Budapest. Sect. Math.*, **12** (1969), 49-62.
- [15] On Haar and Schauder series, *Acta Sci. Math.*, **31** (1970), 53-58. (with L. Pál)
- [16] On the Steinhaus conjecture with respect to the Haar series, *Proc. Conf. on Constructive Theory of Functions, Budapest, 1969*, Akadémiai Kiadó, Budapest, 1972, 343-349. (with L. Pál)
- [17] Über die Konvergenz von Reihen nach Produktsystemen, *Acta Sci. Math.*, **35** (1973), 13-16.
- [18] Сходимость почти всюду функциональных рядов по системам произведений, *Ученые записки Тартуского гос. унив.*, **342** (1974), 189-192. (с X. Тюрнпу)
- [19] Über schwach multiplikative Systeme, *Annales Univ. Sci. Budapest. Sect. Math.*, **17** (1974), 91-96.
- [20] Über einen Ableitungsbegriff von P.L.Butzer und H.J.Wagner, *Mat. Balkanica*, **4** (1974), 541-546.
- [21] *Szorzatrendszerék szerinti sorfejtések vizsgálata*, doktori értekezés, Budapest, 1975.
- [22] On a generalization of the concept of orthogonality, *Acta Sci. Math.*, **37** (1975), 279-285.
- [23] О некоторых перестановках рядов по системе Уолша, *Мат. заметки*, **18** (1975), 193-201.
- [24] Über gewissen Maximaloperatoren, *Annales Univ. Sci. Budapest. Sect. Math.*, **18** (1975), 189-195.
- [25] On a.e. convergence of expansion with respect to a bounded orthonormal system of polygonals, *Studia Math.*, **58** (1976), 287-290.
- [26] On L^p -norm convergence of series with respect to product systems, *Analysis Math.*, **2** (1976), 49-64.
- [27] Pointwise convergence of expansions with respect to certain product systems, *Analysis Math.*, **2** (1976), 65-76.
- [28] On term by term dyadic differentiability of Walsh series, *Analysis Math.*, **2** (1976), 149-154.
- [29] On Carleson's method, *Coll. Math. Soc. J. Bolyai 19. Fourier Anal. and Approx. Theory*, Budapest, 1976, 679-695.

- [30] On the dyadic derivative, *Acta Math. Acad. Sci. Hung.*, **28** (1976), 145-152.
- [31] On the dyadic derivative of measures, *Proc. Coll. on 'Theorie und Anwendungen discreter Signale', Aachen, 1976*, 247-249.
- [32] *Analízis I.*, egységes jegyzet, Tankönyvkiadó, Budapest, 1976. (Leindler Lászlóval)
- [33] О сходимости в норме L^p и сходимости почти всюду разложений по системе произведений некоторых систем, *Сб. докладов конф. "Теория приближения функций"*, Калуга, 1975, Наука, Москва, 1977, 413-422.
- [34] On the absolute convergence of certain functions series, *Acta Math. Acad. Sci. Hung.*, **30** (1977), 333-339. (with G. Alexits)
- [35] Fast Fourier transform and conditional expectation, *Coll. Math. Soc. J. Bolyai 22. Numerical Methods, Keszthely, Hungary, 1977*, 565-576.
- [36] Fourier series and martingale transforms, *Linear spaces and approximation*, eds. P.L. Butzer and B. Sz.Nagy, Birkhauser Verlag, Basel, 1978, 571-581.
- [37] On a generalization of the Haar system, *Acta Math. Acad. Sci. Hung.*, **33** (1979), 183-188.
- [38] On a generalization of the martingale maximal theorem, *Approximation theory*, Banach Center Publications **4**, Warsaw, 1979, 207-212.
- [39] Maximal inequalities, *Proc. Internat. Conference on Approximation and Function Spaces, Gdansk, 1979*, PWN, Warszawa and North-Holland, Amsterdam, New York, Oxford, 629-644.
- [40] On some (L,H)-type maximal inequalities with respect to the Walsh-Paley system, *Coll. Math. Soc. J. Bolyai 35. Functions, Series, Operators*, Budapest, 1980, 1039-1045. (with P. Simon)
- [41] Szorzatrendszer szerinti sorfejtések vizsgálata, *Mat. Lapok*, **28** (1-3) (1980), 35-42.
- [42] Martingales with directed index set, *First Pannonian Symp. on Math. Stat.*, Lecture Notes in Statistics **8**, Springer-Verlag, 1981, 254-261.
- [43] Investigation of Haar and Franklin series in Hardy spaces, *Analysis Math.*, **8** (1982), 47-56. (with P. Simon)
- [44] The dual space of martingale VMO space, *Proc. 3rd Pannonian Symp. on Math. Stat., Visegrád, Hungary, 1982*, 305-311.

- [45] Fast algorithm to compute Fourier coefficients with respect to spherical functions, *Math. models in physics an chemistry and numerical methods of their realization*, Teubner-Texte zur Math. Band **61**, 1982, 79-89.
- [46] Mathematical model for a problem of nuclear magnetism well logging, *Math. models in physics and chemistry and numerical methods of their realization*, Teubner-Texte zur Math. Band **61**, 1982, 275-285. (with P. Szemerédy).
- [47] *Analízis II.*, Tankönyvkiadó, Budapest, 1982. (Pál Jenővel és Simon Péterrel)
- [48] On a Paley-type inequality, *Acta Sci. Math.*, **45** (1983), 357-364.
- [49] Megjegyzés A.N. Kolmogorov egy tételéhez, *Mat. Lapok*, **31** (1-3) (1978-1983), 117-123. (Simon Péterrel)
- [50] VMO spaces not having Schauder basis, *Analysis Math.*, **9** (1983), 313-322.
- [51] Fast algorithms to compute Fourier coefficients, *5th Aachen Symposion on Math. Method in Signal Processing, 1984*, 259-263.
- [52] On the everywhere divergence of Vilenkin-Fourier series, *Acta Sci. Math.*, **48** (1-4) (1985), 155-162. (with S. Fridli)
- [53] Tree-martingales, *Proc. 5th Pannonian Symp. on Math. Stat, Visegrád, Hungary, 1985*, 53-63. (with S. Fridli)
- [54] Haar and Walsh series and martingales, *Coll. Math. Soc. J.Bolyai 49. A.Haar Memorial Conference, Budapest, 1985*, 775-785.
- [55] On strong summability of polynomial expansions, *Analysis Math.*, **12** (1986), 115-127. (with N.X. Ky)
- [56] Martingale Hardy spaces, *Теория приближения функций. Труды Международной конференции по теории приближения функций, Киев, 31 мая - 5 июня 1983*, Наука, Москва, 1987, 510-515.
- [57] On the dyadic differentiability of the dyadic integral function on $\mathbf{R}^+$, *Annales Univ. Sci. Budapest. Sect. Comp.*, **8** (1987), 91-108. (with J. Pál)
- [58] A fundamental theorem of dyadic calculus for the unite square, *Applic. Anal.*, **45** (1989), 203-218. (with W.R. Wade)
- [59] *Walsh series: An introduction to dyadic harmonic analysis*, Akadémiai Kiadó, Budapest and Adam Hilger, Bristol and New York, 1990. (with W.R. Wade, P. Simon and J. Pál)
- [60] On boundedly divergent Walsh-Fourier series, *Acta Math. Acad. Sci. Hung.*, **56** (1990), 361-367.

- [61] On equivalence of rearrangements of the Haar system in dyadic Hardy and BMO spaces, *Analysis Math.*, **16** (1990), 135-141.
- [62] On the integrability and L^1 -convergence of Walsh series with coefficients of bounded variation, *J. Math. Anal. Appl.*, **146** (1990), 99-109. (with F. Móricz)
- [63] On the integrability of double Walsh series with special coefficients, *Michigan Math. J.*, **37** (1990), 191-201. (with F. Móricz F. and W.R.Wade)
- [64] Multiple Walsh analysis, *Theory and applications of Gibbs derivatives*, eds. P.L. Butzer and R.S. Stanković, Matematički Inst., Beograd, 1990, 73-90.
- [65] On the a.e. dyadic differentiability of dyadic integral on $\mathbf{R}^+$, *Theory and applications of Gibbs derivatives*, eds. P.L. Butzer and R.S. Stanković, Matematički Inst., Beograd, 1990, 103-113. (with J. Pál)
- [66] On Sidon type inequalities, *Coll. Math. Soc. J. Bolyai*, **58**. *Approx. Theory, Kecskemét, 1990*, 603-614.
- [67] *Parciális differenciálegyenletek numerikus megoldása*, szerk. Stoyan Gisbert, Tankönyvkiadó, Budapest, 1990.
- [68] On the integrability and L^1 -convergence of double Walsh series, *Acta Math. Acad. Sci. Hung.*, **57** (1991), 371-380. (with F. Móricz)
- [69] Cesàro summability of double Walsh-Fourier series, *Trans. Amer. Math. Soc.*, **329** (1992), 131-140. (with F. Móricz and W.R. Wade)
- [70] Universal contractive projections and a.e. convergence, *Probability theory and applications*, Kluwer Academic Publisher, Dodrecht-Boston-London, 1992, 47-75.
- [71] Sequence Hardy spaces and Sidon type inequalities, *Approx. theory*, Lecture Notes in Pure and Appl. Math. **138**, Marcel Dekker, New York-Basel-Hong Kong, 1992, 421-436.
- [72] Norm convergence and summability of Fourier series with respect to certain product systems, *Approx. theory*, Lecture Notes in Pure and Appl. Math. **138**, Marcel Dekker, New York-Basel-Hong Kong, 1992, 437-452. (with W.R. Wade)
- [73] On complementary spaces and multipliers for Walsh series, *Acta Sci. Math.*, **57** (1993), 288-303. (with S. Baron)
- [74] Lánzos Kornél munkásságának hatása a numerikus matematikára, *Lánzos Kornél Emlékkonferencia, Székesfehérvár, 1993*.
- [75] On fast Fourier algorithms, *Annales Univ. Sci. Budapest. Sect. Comp.*, **14** (1994), 175-188.

- [76] *Analízis I.*, egyetemi jegyzet, JPTE, Pécs, 1994.
- [77] *Transforms on normed fields*, Leaflets in Mathematics, Pécs, 1995. (with W.R. Wade)
- [78] Sidon-type inequalities for Legendre polynomials, *Acta Math. Acad. Sci. Hung.*, **68** (3) (1995), 253-267. (with L. Szili)
- [79] Strong summability and Sidon type inequalities, *Acta Sci. Math. (Szeged)*, **60** (1995), 277-289. (with S. Fridli)
- [80] Basis selection for H^∞ identification in the disc algebra, *Proc. European Control Conf., Rome, Italy, 1995*, 19-24. (with J. Bokor and L. Gianone)
- [81] Approximate H^∞ identification using partial sum operators in the disc algebra basis, *Proc. Amer. Control Conf., Seattle, WA, 1995*, 1981-1985. (with J. Bokor and L. Gianone)
- [82] *Approximation by discrete Laguerre functions in H^∞ norm*, Research report of the US Army and Automation Research Institute for Hungarian Academy of Sciences, Contract number DAAH 04-9601-0068, 1996, pp. 12. (with J. Bokor J. and L. Keviczky).
- [83] Identification in generalized orthogonal basis - a frequency domain approach, *13th IFAC World Congress, San Francisco, CA, 1996, I.*, 387-392. (with J. Bokor, L. Gianone and Z. Szabó)
- [84] Certain complementary spaces and multipliers for double Walsh series, *Annales Univ. Sci. Budapest. Sect. Math.*, **39** (1996), 125-144. (with S. Baron)
- [85] Identical classes of multipliers for Walsh series, *Annales Univ. Sci. Budapest. Sect. Comp.*, **16** (1996), 13-30. (with S. Baron)
- [86] Approximation in H^∞ -norm, *AFS'95, Bolyai Soc. Math. Studies, Budapest*, **5** (1996), 307-320. (with L. Szili)
- [87] *Analízis II.*, egyetemi jegyzet, JPTE, Pécs, 1996.
- [88] Laudatio to János Balázs, *Annales Univ. Sci. Budapest. Sect. Comp.*, **16** (1996), 3-7.
- [89] **Cormen T.H., Leiserson C.E. and Rivest R.L.**, *Algoritmusok*, Műszaki Könyvkiadó, Budapest, 1997, 669-682. (32. Polinomok és gyors Fourier-transzformáció fordítása)
- [90] Tree martingales and a.e. convergence of Vilenkin-Fourier series, *Mathematica Pannonica*, **8** (1) (1997), 17-36. (with F. Weisz)
- [91] Strong summability, approximation and L_1 -convergence, *Fourier Anal., Approx. Theory and Appl.*, eds. Z.U. Ahmad, N.K. Govil and P.K. Jain,

- New Age Internat. Lim. Publishers, New Delhi, Bangalore, 1997, 77-90. (with S. Fridli)
- [92] L^∞ system approximation algorithms generated by φ summation, *IFAC AUTOMATICA J.*, **33** (11) (1997), 2019-2024. (with J. Bokor)
- [93] Representation and approximation of signals and systems using generalized Kautz functions, *Proc. Conf. Decision and Control, CDC' 97, San Diego, 1997*, **4**, 3793-3795. (with J. Bokor and A. Soumelidis)
- [94] Strong approximation via Sidon type inequalities, *J. Approx Theory*, **94** (2) (1998), 263-284. (with S. Fridli)
- [95] Fast Fourier Transforms on binary fields, *Approx. Theory and Appls.*, **14** (1) (1998), 91-100. (with W.R. Wade)
- [96] Approximate H^∞ identification using partial sum operators the disc algebra basis, *IEEE Trans. Automatic Control*, **43** (8) (1998), 1117-1122. (with J. Bokor and L. Gianone)
- [97] Approximate linear H^∞ identification in Laguerre and Kautz basis, *IFAC AUTOMATICA J.*, **34** (1998), 463-468. (with J. Bokor)
- [98] Fouriertől a komputer tomográfig, *Tudományos Dialóg*, (1998), 59-65.
- [99] On the strong summability of Walsh series, *Publ. Math. Debrecen*, **52** (3-4) (1998), 611-633.
- [100] Product systems and q -multiplicative functions, *Arithmetical functions, Leaflets in Mathematics* (Pécs), 1998, 58-71.
- [101] Identification of rational approximate models in H^∞ using generalized orthonormal basis, *IEEE Trans. Autom. Control*, **44** (1) (1999), 153-158. (with J. Bokor and Z. Szabó)
- [102] Zak transforms on binary fields, *J. Approx. Theory*, **101** (1999), 182-198. (with W.R. Wade)
- [103] Topological properties of complementary spaces for double Walsh series, *Acta Sci. Math. (Szeged)*, **65** (1999), 585-595. (with S. Baron)
- [104] Walsh functions, commentary, *Joseph L. Walsh selected papers*, eds. T.J. Rivlin and E.B. Saff, Springer-Verlag, 2000, 129-135.
- [105] Mellin transforms on binary fields, *Applied and Computational J. of Harmonic Analysis*, **9** (2000), 54-71. (with W.R. Wade)
- [106] On adapted orthonormed systems, *East J. on Approximations*, **6** (2) (2000), 157-188.
- [107] The dyadic Cesàro operator on $\mathbb{R}_+$, *Analysis Math.*, **26** (2000), 263-274. (with T. Eisner)

- [108] Discrete Laguerre functions and equilibrium conditions, *Acta Math. Acad. Paedag. Nyíregyháziensis*, **17** (2001), 117-120.
- [109] Malmquist-Takenaka systems and equilibrium conditions, *Mathematica Pannonica*, **12** (2001), 185-194. (with M. Pap)
- [110] Frequency domain identification of partial fraction models, *15th Triennial World Congress of Internat. Fed. Automatic Control, Barcelona, Spain, 2002*. (with J. Bokor, M. Pap and A. Soumelidis)
- [111] Fast Fourier transform for rational systems, *Mathematica Pannonica*, **13** (2002), 265-275.
- [112] Orthogonal product systems of rational functions, *Constructive Function Theory, Varna 2002*, ed. B. Bojanov, DARBA, Sofia, 2002, 391-396.
- [113] On Walsh functions with respect to weights, *Matematika Balkanica*, **16** (2002), 95-103.
- [114] Frequency domain representation of signals in rational orthogonal bases, *Proc. 10th Mediterranean Conference on Control and Automation, MED-2002, Lisbon, Portugal, 2002*. (with J. Bokor and A. Soumelidis)
- [115] Detection of changes on signals and systems based upon representation in orthogonal rational bases, *CDC 2002, Las Vegas, Nevada, USA*. (with J. Bokor and A. Soumelidis)
- [116] *Functions, series, operators. Alexits Memorial Conference*, Bolyai János Matematikai Társulat, Budapest, 2002. (editor with L. Leindler and J. Szabados)
- [117] Discrete approximation on the sphere, *Annales Univ. Sci. Budapest. Sect. Comp.*, **22** (2003), 299-315. (with M. Pap)
- [118] Rational bases generated by Blaschke product system, *13th IFAC Symposium on System Identification, Rotterdam, SYSID-2003*, 1351-1356. (CD) (with J. Bokor)
- [119] Detection of changes on signals and systems based upon representations in orthogonal rational bases, *SAFEPROCESS-2003*, 335-340. (CD) (with J. Bokor and A. Soumelidis)
- [120] Applying orthogonal rational signal representations in system change detection, *Proc. 11th IEEE Mediterranean Control Conference, 2003, Rhodes, MED-2003*, 1-6. (CD) (with J. Bokor and A. Soumelidis)
- [121] Rational Haar systems and fractals on the hyperbolic plan, *Sacks Memorial Conference, Szentgotthárd, 2003*, Oskar Kiadó.

- [122] *Analízis III. Differenciálgeometria*, egyetemi jegyzet programtervező matematikusoknak, ELTE, Budapest 2003.
(<http://numanal.inf.elte.hu/schipp>)
- [123] *Waveletek*, egyetemi jegyzet programtervező matematikusoknak, ELTE, Budapest 2003. (<http://numanal.inf.elte.hu/schipp>)
- [124] Interpolation by rational functions, *Annales Univ. Sci. Budapest. Sect. Comp.*, **23** (2004), 223-237. (with M. Pap)
- [125] On orthonormal product systems, *Acta Math. Acad. Peadagog. Nyíregyháziensis*, **20** (2004), 185-206.
- [126] William R. Wade the scientist, the educator, the colleague and friend, *Acta Math. Acad. Peadagog. Nyíregyháziensis*, **20** (2004), 123-125.
- [127] Malmquist-Takenaka systems over the set of quaternions, *Pure Mathematics and Applications*, **15** (2004), 261-272. (with M. Pap)
- [128] Special issue of AMAPN. Dedicated to W.R. Wade, *Acta Math. Acad. Peadagog. Nyíregyháziensis*, **20** (2004), 177-266. (editor with S. Fridli)
- [129] *Radon transzformáció*, egyetemi jegyzet programtervező és alkalmazott matematikusoknak, ELTE, Budapest, 2004.
(<http://numanal.inf.elte.hu/schipp>)
- [130] *Analízis IV. Funkcionálanalízis*, egyetemi jegyzet programtervező és alkalmazott matematikusoknak, ELTE, Budapest, 2004.
(<http://numanal.inf.elte.hu/schipp>)
- [131] Surface description for cornea topography using modified Chebyshev-polynomials, *16th IFAC World Congress 2005, Prague, Fr-M19-TO/5 on CD*. (with A. Soumelidis, Z. Fazekas and J. Németh)
- [132] Discrete orthogonality of Zernike functions, *Mathematica Pannonica*, **16** (2005), 137-144. (with M. Pap)
- [133] Geometrical description of quasi-hemispherical and calotte-like surfaces using discretised Chebyshev-polynomials, *44th IEEE Conference on Decision and Control and European Control Conference, 2005 Seville, Spain, December 12-15, 2005. MoC07.3*, 1619-1624. (with A. Soumelidis and Z. Fazekas).
- [134] Description of corneal surfaces using discretized argument-transformed Chebyshev-polynomials, *Biosignal 2006, Analysis of biomedical signals and images, 18th EURASIP Conf. Proc. Brno, 2006*, 265-274. (with A. Soumelidis, Z. Fazekas and B. Csákány)
- [135] Construction of wavelets and applications, *Journal of Universal Computer Science*, **12** (9) (2006), 1278-1291. (with I. László and S. P. Kozaitis)

- [136] The voice transform on the Blaschke group I., *Pure Mathematics and Applications*, **17** (3-4) (2006), 387-395. (with M. Pap)
- [137] *Approximációelmélet*, egyetemi jegyzet programtervező és alkalmazott matematikusoknak, ELTE, Budapest, 2006.
(<http://numanal.inf.elte.hu/schipp>)
- [138] The voice transform on the Blaschke group II., *Annales Univ. Sci. Budapest. Sect. Comp.*, **29** (2008), 157-173. (with M. Pap)
- [139] Specular surface reconstruction for multi-camera corneal topographer arrangements, *30th Annual International IEEE EMBS Conference, Vancouver, Canada, Aug. 20-24, 2008*, 2254-2257. (with Z. Fazekas, A. Soumelidis and A. Bódis-Szomorú)
- [140] Development of a multi-camera corneal topographer using an embedded computing approach, *Biodevices 2008. Proc. of the 1st International Conference on Biomedical Electronics and Devices, Funchal, Madeira, Portugal, January 28-31, 2008*, 126-129. (with A. Soumelidis, Z. Fazekas, A. Edelmayer, J. Németh and B. Csákány)
- [141] Wavelet like transform on the Blaschke group, *Walsh and Dyadic Analysis, Proc. of the Workshop, Nis, Elektronski fakultet, 2008*, 85-93.
- [142] Wavelets on the disc, *Proc. Workshop on Systems and control theory. In honor of J. Bokor on his 60th birthday, September 9, 2008*, BME AVVC, MTA SZTAKI, 2009, 101-109.
- [143] Specular surface reconstruction method for multi-camera corneal topographer arrangements, *Recent advances in biomedical engineering, In-Teh, Vukovar, Croatia, 2009*, ed. G.R. Naik, 639-660. (with A. Soumelidis, Z. Fazekas, A. Bódis-Szomorú, J. Németh and B. Csákány)
- [144] The voice transform on the Blaschke group III., *Publ. Math. Debrecen*, **75** (1-2) (2009), 263-283. (with M. Pap)
- [145] Applying hyperbolic wavelet constructions in the identification of signals and systems, *15th IFAC Symposium on System Identification, SYSID 2009, Saint-Malo, France, July 6-8, 2009*. (with J. Bokor and A. Soumelidis)
- [146] Multi-dimensional discrete summability, *Acta Sci. Math. Szeged*, **75** (2009), 219-231. (with F. Weisz)
- [147] Signal and system representations on hyperbolic groups: beyond rational orthogonal bases, *ICCC 2009, 7th IEEE International Conference on Computational Cybernetics, Palma de Mallorca, 2009*. (with J. Bokor and A. Soumelidis)
- [148] Utilizing the discrete orthogonality of Zernike functions in corneal measurements, *WCE 2009, World Congress in Engineering, London, 2009*,

- Lecture Notes in Engineering and Computer Science, 795-800. (with Z. Fazekas and A. Soumelidis)
- [149] Surface reconstruction method for multi-view corneal topography, *KÉPAF 2009, 7th Conference on Hungarian Association for Image Processing and Pattern Recognition, Budapest, 2009*, 1-11. (with Z. Fazekas, A. Soumelidis, A. Bódis-Szomorú, B. Csákány and J. Németh)
- [150] Discrete orthogonality of Zernike functions and its relevance to corneal topography, *V. Magyar Számítógépes Grafika és Geometria Konferencia, 2010*, eds. L. Szirmay-Kalos and G. Renner, NJSZT, 125-132. (with Z. Fazekas, M. Pap and A. Soumelidis)

