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Professor PAUL L. BUTZER's 80th Anniversary

Paul Leo BUTZER, Professor Emeritus - RWTH Aachen, Germany, had on 15 April, 2008 his 80th jubilee. He is a **Honorary Member of Editorial Board of our "FCAA" Journal** since its start 10 years ago, in 1998.

Date of Birth: 15th April, 1928; Details on CV at the **Website:**
<http://www.matha.rwth-aachen.de/en/mitarbeiter/butzer/index.html>

Ph.D. (University of Toronto, 1951);
Dissertation: "*On Bernstein Polynomials*", Advisor: Prof. George Lorentz
Dr.h.c. (Liege), D.Univ.h.c.(York), Dr. h.c. (Timisoara)
Honorary Professor, Nanjing University (China)
Corresponding Member, Societe Royale des Sciences de Liege; Associate Fellow, Academie Royale de Belgique; Honorary Member, Mathematische Gesellschaft in Hamburg

According to The Mathematics Genealogy Project, see online database: <http://genealogy.math.ndsu.nodak.edu/id.php?id=15935>, Paul Butzer has 33 students and 107 descendants.

Main Research Interests:

• Approximation Theory; • Functional Analysis; • Integral Transform Theory; • Signal Analysis and Prediction Theory; • Combinatorial Number Theory; • History of Mathematics

Publications prior to 1993 and related material are listed in:

1. R.J. Nessel: Towards a survey of Paul Butzer's contributions to approximation theory. In: *Contemporary Mathematics*, Vol. **190**, Amer. Math. Soc., Providence, R.I. (1995), 31-65.
2. E. Görlich, A. Krieg, R.J. Nessel and R.L. Stens: Paul L. Butzer - Five years as Professor Emeritus. *Results Math.* **34** (1998), 20-31.

3. J.R. Higgins: An appreciation of Paul Butzer's work in signal theory. *Results Math.* **34** (1998), 2-19.
4. W. Benz: Erinnerungen an frühe Jahre: Zum 70. Geburtstag von Paul Leo Butzer. *Results Math.* **34** (1998), 209-213.
5. C. Vinti: A survey on recent results of the Mathematical Seminar in Perugia, inspired by the work of Professor P.L. Butzer. *Results Math.* **34** (1998), 32-55.
6. J.R. Higgins: Paul Butzer reaches his seventy-fifth year. *Sampling Theory in Signal and Image Processing* **3** (2004), iii-v.
7. C. Bardaro and G. Vinti: An abstract approach to sampling-type operators inspired by the work of P.L. Butzer, Part I - Linear Operators; Part II - Nonlinear Operators. *Sampling Theory in Signal and Image Processing* **2** (2003), 271-295; **3** (2004), 29-43.

Publications (since 1993): more than 70, see at

<http://www.matha.rwth-aachen.de/en/mitarbeiter/butzer/publikationen.html>

Publications in History of Mathematics, Physics, Astronomy, Computistics, etc.: about 60

Books, Conference Volumes, Collected Works: (since 1993):

1. P.L. Butzer and F. Fehér, Eds.: E. B. Christoffel: The Influence of his Work on Mathematics and the Physical Sciences. Birkhäuser, Basel, Boston, 1981, xxv + 761 pp.
2. P.L. Butzer and E.L. Stark: Dissertationen in Mathematik an den Hochschulen der Bundesrepublik Deutschland in der Zeit von 1961 bis 1970. Eine Bibliographie. Jahresbericht der Deutschen Mathematiker-Vereinigung. B.G. Teubner-Verlag, Stuttgart, 1975, 101 pp.
3. P.L. Butzer and D. Lohrmann, Eds.: Science in Western and Eastern Civilization in Carolingian Times Birkhäuser Verlag, Basel, Boston, Berlin, 1993, xx + 609 pp.
4. P.L. Butzer, M. Kerner, W. Oberschelp, Eds., in Collaboration with R. Baum, H. Holländer and D. Lohrmann: Charlemagne and his Heritage. 1200 Years of Civilization and Science in Europe. Vol.I: Scholarship, World-view and Understanding. Brepols Publ., Turnhout, 1997, xxxi + 557 pp.
5. P.L. Butzer, H. Th. Jongen, W. Oberschelp, Eds., in Collaboration with J. Bemelmans, W. Dahmen, A. Krieg and W. Plesken: Charlemagne and his Heritage. 1200 Years of Civilization and Science in Europe. Vol. II: Mathematical Arts. Brepols Publ., Turnhout, 1998, xxiii + 571 pp.

6. F. Al-Musallam, A. Boettcher, P.L. Butzer, G. Heinig, K.T. Vu, Guest Eds: Proc. of the International Conference on Fourier Analysis and Applications. In: *Numer. Funct. Anal. Optim.* **21** (2000), xiv + 317 pp.

7. P.L. Butzer, J. Mawhin and P. Vetro, Eds.: Ch.-J. de La Vallée Poussin: Collected Works. Vol. I, Biography and Number Theory, Circolo Matematico di Palermo, Palermo, 2000, xxiii + 668 pp.

8. P.L. Butzer, J. Mawhin and P. Vetro, Eds.: Ch.-J. de La Vallée Poussin: Collected Works. Vol. II, Integration and Measure, Probability, Ordinary Differential Equations, Geometry, Mechanics, Circolo Matematico di Palermo, Palermo, 2001, xxiii + 673 pp.

9. P.L. Butzer, J. Mawhin and P. Vetro, Eds.: Ch.-J. de La Vallée Poussin: Collected Works. Vol. III, Approximation Theory, Fourier Analysis, Quasi-analytic functions, Circolo Matematico di Palermo, Palermo, 2004, xxv + 611 pp.

Editor (resp. Associate / Honorary Editor) of Intern. Journals:

Jahresbericht der Deutschen Mathematiker-Vereinigung. Stuttgart, Germany (1964-1996)

Journal of Approximation Theory. Orlando, Florida (1968-1993)

Applicable Analysis. An Intern. Journal. Yverdon, Switzerland (1971-)

Results in Mathematics (Resultate der Mathematik). Basel, Switzerland (1977-)

Numerical Functional Analysis and Optimization. An Intern. Journal. Monticello, NY (1978-)

Zeitschrift für Analysis und ihre Anwendungen. Journal for Analysis and its Applications. Lemgo, Germany (1981-1994)

Analysis in Theory and Applications. New Ser., Nanjing, China (1984)

Applied Mathematics Letters. An Intern. Journal of Rapid Publication. Exeter, UK (1988-)

Atti del Seminario Matematico e Fisico dell' Università di Modena. Modena, Italy (1992-)

The Journal of Fourier Analysis and Applications. Basel, Switzerland (1993-)

Communications in Applied Analysis. An Intern. Journal for Theory and Applications. Atlanta, Georgia (1996-)

Fractional Calculus and Applied Analysis. An International Journal. Sofia, Bulgaria (1998-)

Journal of Difference Equations and Applications. Yverdon, Switzerland (1998-)

Journal of Computational Analysis and Applications. New York, NY (1998-)

Sampling Theory in Signal and Image Processing. An Intern. Journal. Potsdam, NY (2000-)

Journal of Computational Analysis and Applications. New York, NY (1998)

Journal of Concrete and Applicable Mathematics. Hauppauge, NY (2003)

Integral Transforms and Special Functions. An International Journal. Milton Park, Abingdon Oxon, UK (2006)

Specially Dedicated Issues of Journals:

1. Papers dedicated to Professor Paul L. Butzer on the occasion of his retirement. *Mathematical Analysis, Wavelets and Signal Processing. Contemp. Math.*, Vol. **190** (1995), American Mathematical Society, Providence, RI, x + 354 pp.

2. Series of Papers dedicated to Paul Leo Butzer on the occasion of his 70th birthday. *Result. Math.* **34** (1998), No. 1/2, pp. 1-206, No. 3/4, pp. 209-394.

3. (Papers) Dedicated to Professor Paul L. Butzer for his 70th birthday. A giant of Applied and Computational Mathematics during the 20th Century. *J. Comp. Anal. Appl.* **2**, No. 2, No. 4 (2000); **3**, No. 1, No. 2, No. 3 (2001).

4. (Papers) Dedicated to Professor Paul L. Butzer for his 75th birthday for his great contributions to mathematics. *J. Concr. Appl. Math.* **1**, No. 3, No. 4 (2003).

5. Special Issue(s) in Honor of Professor Paul L. Butzer's 75th Birthday. *Sampl. Theory Signal Image Process.* **2**, No. 3 (2003), 217-295; **3**, No. 1 (2004), 1-94.

6. (Papers) On the occasion of Professor Paul L. Butzer's 75th birthday. *Fract. Calc. Appl. Anal.* **6**, No. 4 (2003), 333-492.

EDITORIAL NOTE: More details on Prof. Butzer's CV and selected list of his publications can be found in the above cited (as 6.) issue of our journal *FCAA*, Vol. 6, No 4 (2003).