Short Bio of Bruno Buchberger: www.brunobuchberger.com

1974 - ..: **Full professor** of Computer Mathematics at RISC (Research Institute for Symbolic Computation), Johannes Kepler University (JKU) in Linz, Austria.

1985 – 1995: **Founding editor** of the Journal of Symbolic Computation.

1987- 1997: **Founder and chairman of RISC**, the Research Institute for Symbolic Computation (1987) of the JKU.

1989 - 2013: **Founder and director of the JKU Softwarepark Hagenberg** (1000 coworkers in R&D and 1500 students, 140 millions Euro private and public investment), close to Linz, Austria. in a rural area. The first Softwarepark in the World!

As an international researcher, **Buchberger is best known for his invention of the theory of Gröbner bases** (established in his PhD thesis 1965) providing a general algorithmic method for solving fundamental problems in non-linear polynomial systems. For his Gröbner bases theory, among other international scientific honors,

- he received the ACM (Association for Computing Machinery) Kanellakis **"Theory and Practice" Award 2007**,
- he was elected (1991) **member of the Academy of Europe**,
- he received **six honorary doctorates** (from the Universities of Nijmegen NL, Timisoara RO, Bath UK, Waterloo Canada, Innsbruck A, and Genova I),
- he became a **member of the Austrian Curatory of Science** (2015), the highest Austrian honor for scientists,
- approx.. **20 textbooks and 2000 publications** were written on his Gröbner bases theory and his work was cited many thousands of times (see Google Scholar),
- over 150 times he was an **invited keynote speaker** at international mathematics and computer science conferences.

His current main research topic is **automated mathematical theory exploration (the "Theorema Project") with application to the automation of invention** and the **derivation of hidden knowledge in big data**.

He led numerous **research and industrial projects** and was / is a **consultant of the Austrian and Upper Austrian Government.** For his contribution to the economic and technologic development of Austria, he was elected **"Austrian of the Year"** 2010 (by the Austrian newspaper Die Presse) and received numerous other Austrian awards.