Curriculum vitæ et studiorum

Personal details.

Name:	Mihály Weiner
Date of birth:	26/11/1976
Family status:	married, two children
Email:	`mweiner@renyi.hu`

Education.

Until age 17 I followed all of my studies at Budapest. Upon winning the 5th place at the National Student Olympiad ("OKTV") in physics, I was invited to apply for a scholarship of the *United World Colleges*. I eventually received the scholarship and thus spent two years in *Atlantic College* (UK) where I obtained my baccalaureate.

1996–2001: Master in physics at the University of Science "Eötvös Loránd"; degree obtained with summa cum laude.

2001–2005: PhD studies in mathematics at the University of Rome "Tor Vergata". Supervisor: prof. Roberto Longo. Research topic: Operator Algebraic aspects of Conformal Quantum Field Theory. PhD obtained in 2005.

Postdoctoral experience.

I was several times invited for shorter term collaborations; e.g. I worked with prof. Yasuyuki Kawahigashi at the University of Tokyo and with prof. Karl-Henning Rehren at the Institute of Theoretical Physics in Göttingen. However, my longer postdoctoral positions were the following.

2006–2007: postdoctoral position (for one semester) at the University of Rome "Tor Vergata",

2007–2008: "Junior Fellow" grant for 2x2 months at the Erwin Schrödinger Institute,

2007–2011: "Young Researcher" position at the Alfréd Rényi Institute of Mathematics.

I have also participated to a number international conferences and summer schools, e.g. I gave talks at *Oberwolfach* and *Banff*.

Current position.

From this semester I am an Assistant Professor ("adjunktus") at the Dep. of Analysis, Institute of Mathematics, Budapest University of Technology and Economics (BME).

Teaching experience.

Already during my PhD studies I took part in teaching activities, keeping tutorials at the University of Rome "Tor Vergata" (in Italian!) for undergraduate courses. Returning to Budapest, I while teaching at the Budapest University of Technology and Economics (BME), I kept a PhD course on Operator Algebras at the Central European University (CEU), too. Moreover, I also teach at the Budapest Semesters in Mathematics a mathematical physics course that regards Quantum Information Theory.

Research interests.

Originally, the centre of my research area was Operator Algebras and more in particular their role in Quantum Field Theory. That is, I mainly worked with infinite dimensional von Neumann algebras and their corresponding index and modular theory. However, lately I am more in the finite dimensional case: I work with matrix algebras as my current motivation is Quantum Information Theory. At the moment I investigate questions regarding *mutually unbiased bases* and *quasi-orthogonal decompositions* of matrix algebras.

Other interests and abilities.

I am also interested by literature and music and I play the violin. Apart from Hungarian, I am fluent in English and Italian.