# POSTDOCTORAL POSITION in APPLIED HARMONIC ANALYSIS

## SUMMARY
A postdoctoral position is available at the Faculty of Mathematics of the University of Vienna, within the Numerical and Applied Harmonic Analysis project. The project is carried out within the Numerical Harmonic Analysis Group (NuHAG) at the University of Vienna, Austria, under direction of Professor Hans G. Feichtinger. The primary task is the development of scientific computing algorithms and their applications. The project is also a part of a major focus point to be established at the University of Vienna, and interdisciplinary research is specifically encouraged.

## POSITION DESCRIPTION
NuHAG is looking for a postdoctoral researcher for the Numerical and Applied Harmonic Analysis project.

The successful candidate will research fast numerical algorithms for signal processing, including analysis of smooth signals of variable bandwidth, channel equalization and channel estimation in wireless communication. The candidate will primarily be responsible for the development of efficient and reliable numerical algorithms, including their implementation, thorough testing and code validation. She or he will also be expected to help with the supervision of young researchers active in the group.

## QUALIFICATIONS
A Ph.D. in mathematics or electrical engineering is required, with a strong background in numerical analysis and signal processing. The successful candidate should have excellent software engineering and development skills. Good communication skills are also essential.

## TERMS and CONDITIONS
The initial contract is for two years with a possibility of renewal, starting on June 1, 2007 or later. The position carries no formal teaching load, but involvement in educational activities and workshops is expected. Working languages are English or German. We offer a competitive salary and excellent benefits.

## APPLICATION
Applicants should submit a Curriculum Vitae and two letters of recommendation to:

**Prof. Dr. Hans G. Feichtinger**  
Numerical Harmonic Analysis Group  
Faculty of Mathematics, University of Vienna  
Nordbergstrasse 15, A-1090 Wien, AUSTRIA  
email: hans.feichtinger@univie.ac.at

The deadline for application is February 28, 2007, but early communication with Professor Feichtinger is encouraged.