



**KTH Computer Science
and Communication**

Stockholm, 2006-12-18

To whom it may concern,

Letter of support for Matthias Demoucron,

Matthias Demoucron is applying for a STSM, aiming at a stay at the Centre for Interdisciplinary Research in Music Media & Technology, McGill University, Montreal headed by Marcelo Wanderley. As one of Demoucron's supervisors I can state that a visit to the Montreal lab would serve an important purpose for the completion of his PhD thesis. The well-equipped motion analysis laboratory will provide unique possibilities for collecting data on bowing gestures in professional violin playing, which is an important part of Demoucron's thesis. A bow with built-in force sensors has been developed and will be used for collecting synchronous data on bow motion and bow force. These data will be used to build generalized bowing patterns which in turn will be used for controlling a bow-string model which generates realistic violin synthesis.

During the stay Demoucron will be able to co-operate with another of my PhD students, Erwin Schoonderwaldt, who is working on related issues during a full-year stay at the Montreal lab. I give my full support to Demoucron's application and hope that it will be possible to support within the ConGAS action.

Sincerely,

Anders Askenfelt

Head of Department of Speech, Music and Hearing

Vice Dean, KTH Computer Science and Communication