



D Elektronisches  
D Studio Basel

**Donnerstag, 13. März 2008, 21.00 Uhr**  
**Gare du Nord**

## **NACHTSTROM XXXVI**

**Das Elektronische Studio präsentiert die neuesten Arbeiten**

Programm Notes:

### **Cort Lippe**

Music for Cello and Computer (1999) was commissioned by the Fynske Musikkonservatorium of Odense, Denmark, and premiered there in 2000. The electronic part was created at the Hiller Computer Music Studios of the University of Buffalo, New York using Max/MSP, which was originally developed by Miller Puckette and whose technical support made this piece possible. Technically the computer tracks parameters of the cello, such as pitch, amplitude, spectrum, density, rests, articulation, tempi, etc., and uses this information to trigger specific electronic events, and to continuously control all the computer sound output by directly controlling the digital synthesis algorithms. Thus the performer is expected to "interact" with the computer, triggering and continuously shaping the computer output. Material is manipulated via time-stretching, granular sampling, FFT- based cross synthesis and analysis/resynthesis, well as by other more standard signal processing techniques such as harmonizing, frequency shifting, phasing, spatialization, etc.

NACHTSTROM ist eine Konzertreihe des Elektronischen Studios Basel ([www.esbasel.ch](http://www.esbasel.ch)) in Zusammenarbeit mit Gare du Nord ([www.garedunord.ch](http://www.garedunord.ch)).



MUSIK-AKADEMIE  
DER  
STADT BASEL

HOCHSCHULE  
FÜR MUSIK

**GARE DU NORD**  
BAHNHOF FÜR NEUE MUSIK