

## NeuroShell Trader

The Short-Term Volume and Price Oscillator described by Sylvain Vervoort can be easily implemented in the NeuroShell Trader by combining a few of the NeuroShell Trader's over 800 indicators. To implement the oscillator, select 'New Indicator ...' from the 'Insert' menu and use the Indicator Wizard to create the following indicators:

```
haC = Tema( HeikinAshiClose( Open, High, Low, Close ), 5 )
vave = Lag( MovAvg( Volume, 40 ), 1 )
vc = Min2( Volume, Mult2( 2, vave ) )
vtr = Tema( LinRegSlope( vc, 8 ), 8 )
vcutoff = IfThenElseIfThen( And2( A>B( %Change(haC, 1 ), cutoff ),
    A>=B( vtr, Lag( vtr, 1 ) ) ), vc, And2( A<B( %Change(haC, 1 ),
    Negative(cutoff) ), A>=B( vtr, Lag(vtr,1) ) ), -vc, 0 )

SVAPO = Tema( Divide( Sum( vcutoff, 8), Add2( vave, 1 ) ), 8)
StdDevHigh = BollingerBandHigh ( SVAPO, stdevper, devH )
StdDevLow = BollingerBandLow ( SVAPO, stdevper, devL )
```

Note that the oscillator is based upon the HeikinAshiClose and Tema custom indicators, which NeuroShell Trader users can download for free at [www.ward.net](http://www.ward.net).

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Figure A: NeuroShell Short-Term Volume and Price Oscillator chart for Intel Corp.

