



**Invitation and Call for Papers,  
reminder**

# **The 2<sup>nd</sup> Nordic ESD Conference**

## **International conference on ESD**

**September 5 - 6, 2006, Karlskoga, Sweden**

### **The conference**

Örebro University and Elektronikcentrum Karlskoga (ECK) invite you to **The 2nd Nordic ESD Conference** to be held in Karlskoga in the central part of Sweden. The conference is international and the theme this year is:

### **ESD from the Automotive perspective**

The conference will be devoted to: Electrostatics in general, Nuisance discharges to people, Ignition risks, Electronic component damage, Electronic system malfunctions, ESD protection techniques and applications related to automotive engineering. The conference will consist of technical presentations, posters and an exhibition. Posters, Papers and oral presentations will be in English.

### **Technical Papers**

The ECK Program Committee solicits paper and poster contributions, which advance (or describe) the state-of-the-art knowledge, enhance or renew the general knowledge or discuss new topics related to electrostatic/ESD. Contributions will be published in the Conference Proceedings and distributed to all participants at the conference. Authors are responsible for the contents of their papers.

### **Abstracts**

Authors have to submit an abstract (1 - 2 pages, A4) of their work. The summary should state the purpose, results and conclusions of the work. Please submit your work in pdf or Word format via e-mail to: [dag.stranneby@tech.oru.se](mailto:dag.stranneby@tech.oru.se)

Authors/speakers of selected papers will be notified not later than **March 31, 2006**.

### **Full Papers and presentations**

Final papers will be limited to a maximum of 8 pages (A4). Guidelines will be provided after acceptance of the paper. The oral presentations in English, will be limited to 25 minutes including time for questions.

**Deadline for Full papers: August 1, 2006**

### **Poster sessions**

Two poster sessions will be held during the conference. Posters should be limited to the size of approx. one A1 (equal to 8 x A4). Speakers and authors of accepted papers are encouraged to also submit a poster version of their work.

**Extended deadline for Abstracts:**

**March 14, 2006**



**Deadline for Poster contributions:**

**August 1, 2006**

## Exhibitions

The exhibition area will be open during the entire conference. Companies interested in participating in the exhibition should contact Rolf Blom:

[rolf.blom@eck.se](mailto:rolf.blom@eck.se)

**Exhibition area fee** (VAT will be added):

Area 5 m<sup>2</sup>, table, 230 VAC                      SEK 3000:-

**Deadline for reserving exhibition area:  
August 1, 2006**

## Conference fee

The conference fee includes lunches, coffee, bar-becue and proceedings (VAT will be added).

### Reduced fee:

Company members of ECK                      SEK 2500:-

Non-members of ECK                              SEK 3000:-

Speakers/authors                                  SEK 1200:-

**Deadline for reduced fee: April 2, 2006**

After the deadline above, late registration fee is charged (VAT will be added).

**Late registration fee                              SEK 3500:-**

**Deadline for registration: August 15, 2006**

## Program Committee

### Rolf Blom

ECK AB, Sweden

### Sylvia Lüttgens

Elstatik foundation, Germany

### Günter Lüttgens

Elstatik foundation, Germany

### Anders Molander

Kitron AB, Sweden

### Anders Thulin

ATC AB, Sweden

### Göran Andersson

ARMEKA AB, Sweden

### Birgitta Andersson

Örebro University, Sweden

### Dag Stranneby

Örebro University, Sweden

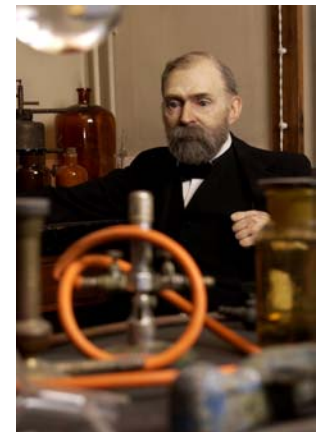


## Where is Karlskoga?

Karlskoga is a mid-sized, industrial city on lake Möckeln, in the central part of Sweden. It is perhaps most known for being the home of Alfred Nobel and the company Bofors.

Karlskoga is situated on highway **E18**, roughly half-way between Stockholm and Oslo. It is easy to go there by car or by bus from e.g. Örebro or Karlstad.

Nearest railway station is Degerfors and nearest airport is Örebro.



More information about Karlskoga can be found at:

<http://www.karlskoga.se>

## More information

For further information please contact:

### Rolf Blom

Elektronikcentrum i Karlskoga AB

Pressarvägen 4

SE-691 52 Karlskoga

SWEDEN

Phone: +46 586-821 90

Fax: +46 586-22 22 86

E-mail: [rolf.blom@eck.se](mailto:rolf.blom@eck.se)

Web: <http://www.eck.se/>

## Hotels

### Bofors Hotell

tel +46 586-811 00

fax +46 586-811 50

[boforshotell@boforssupport.saab.se](mailto:boforshotell@boforssupport.saab.se)

<http://www.boforshotell.com/>

### Hotell Krey

tel +46 586-358 00

[info@hotellkrey.se](mailto:info@hotellkrey.se)

<http://www.hotellkrey.se/>

### Hotel Alfred Nobel

tel +46 586-364 40

fax +46 586-573 40

[info@hotellalfrednobel.com](mailto:info@hotellalfrednobel.com)

<http://www.hotellalfrednobel.com/start.html>

### Karlskoga Hotel

tel +46 586-637 40

fax +46 586-637 45

[info@karlskogahotel.se](mailto:info@karlskogahotel.se)

<http://www.karlskogahotel.se/eng/index.htm>

## Hostels, economy hotels

### Zlafen Bed & Breakfast

tel +46 586-521 10

fax +46 586-691 10

[piape2000@yahoo.se](mailto:piape2000@yahoo.se)

<http://www.zlafen.se/>

### Karlskoga Folkhögskola Vandrarhem SVIF

tel +46 586-646 00

fax +46 586-646 22

[karlskoga.fhsk@folkbildning.net](mailto:karlskoga.fhsk@folkbildning.net)

<http://www.folkbildning.net/%7Efhsk.karlskoga/>

[fhs\\_start.htm](http://www.folkbildning.net/%7Efhsk.karlskoga/fhs_start.htm)

### Äventyrslogi Boda Borg

tel +46 586-77 11 30

fax +46 586-330 66

[bodaborg@telia.com](mailto:bodaborg@telia.com)

[http://www.bodaborg.se/karlskoga\\_\\_\\_9.aspx](http://www.bodaborg.se/karlskoga___9.aspx)

## Tourist information office

tel +46 586-614 74

fax +46 586-619 60

[turism@karlskoga.se](mailto:turism@karlskoga.se)

<http://www.karlskoga.se/homepage/engweb.nsf>

## The conference venue

The conference will be held at the **Björkborn Manor**, the home of Alfred Nobel in Karlskoga.

Alfred Nobels Björkborn, is the only Nobelmuseum in the world showing his home, the manor of Björkborn and his laboratory where he developed many of his inventions.



More information on The Björkborn Manor and Alfred Nobel:

<http://www.karlskoga.se/homepage/engweb.nsf>

<http://www.nobelmuseetkarlskoga.se/>

<http://nobelprize.org/nobel/alfred-nobel/vr-bjorkborn/>

*Preliminary program*

# The 2<sup>nd</sup> Nordic ESD Conference

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<b>September 4</b>	
15.00	Registration, coffee
19.00	Get together party, visit to Bofors Industrial Museum
<b>September 5</b>	
08.00	Registration, coffee, exhibition      Author's breakfast
10.00	<p><b>Welcome ceremony:</b> Mayor <i>Margareta Karlsson</i>, Karlskoga Municipality</p> <p><b>Keynote speakers:</b> Dr <i>Jeremy Smallwood</i>, Electrostatic Solutions Ltd, UK  <b>Static electricity and cars, car park shocks and refuelling ignition risks</b></p> <p>...</p> <p>...</p>
13.00	<b>LUNCH</b>
14.00	<p>Session 1a:1</p> <p>Session 1b:1  Dipl.-Ing <i>Hartmundt Berndt</i>  <b>B.E.STAT</b> ESD competence centre, Germany  <b>Electrostatic discharge (ESD) and the Technology Roadmap of the Semiconductor Industries to 2015</b></p>
14.30	<p>Session 1a:2  <i>Günter Lüttgens, Syliva Lüttgens</i>, Elstatik Foundation, Germany  <b>Propagating Brush Discharges in Hoses and Pipes equipped with Non-conductive liners</b></p> <p>Session 1b:2</p>
15.00	<p>Session 1a:3</p> <p>Session 1b:3  <i>Lars Fjellner</i>, Solectron  <b>A method to identify ESD-risks</b></p>
15.30	<p>Session 1a:4  <i>Birgitta Andersson</i>, Örebro University  <i>Lars Fast</i>, SP Swedish National Testing and Research Institute  <b>Potential ESD risks due to charged drivers</b></p> <p>Session 1b:4</p>
16.00	Poster session and exhibition
19.00	Barbecue and pub

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<b>September 6</b>		
<b>08.00</b>	<b>Poster session and exhibition</b>	
<b>09.00</b>	Session 2a:1 <i>Günter Lüttgens, Syliva Lüttgens,</i> Elstatik Foundation, Germany <b>A new method for Determining Electrostatic Ignition Potentials</b>	Session 2b:1
<b>09.30</b>	Session 2a:2	Session 2b:2 <i>Lars Fjellner, Solectron</i> <b>C the speed limiting factor for ESD</b>
<b>10.00</b>	Session 2a:3	Session 2b:3
<b>10.30</b>	<b>Coffee</b>	
<b>11.00</b>	Session 2a:4	Session 2b:4 <i>Dipl.-Ing Hartmundt Berndt</i> B.E.STAT ESD competence centre, Germany <b>Experiences at the measurement of packaging material for electronic devices according to the standard IEC 61340-5-1 and S541</b>
<b>11.30</b>	Session 2a:5	Session 2b:5
<b>12.00</b>	<b>LUNCH</b>	
<b>13.00</b>	<b>Practical demonstration (outdoors)</b>	
<b>14.15</b>	Session 3:1 <i>Yousef Hojjat, Mehdi Modabberifar,</i> Department of Mechanical Engineering, Taribat Modarres University, Theran, Iran <b>Numerical method for calculating a non-uniform travelling field</b>	
<b>15.00</b>	<b>Coffee</b>	
<b>15.15</b>	<b>Panel discussion</b>	
<b>15.45</b>	<b>Best paper award, closing ceremony</b>	