# ELECTRONICS RECYCLING SUMMIT

Delivering practical information for implementing the WEEE and RoHS directives; providing a competitive advantage through the collection, disassembly and recycling of electronics


## Keynote Presentation:

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Company/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wilfried Oppermann</td>
<td>Head European Environmental Affairs</td>
<td>MATSUSHITA ELECTRIC EUROPE (HQ) LTD</td>
</tr>
<tr>
<td>Dr. Lutz Günther Scheidt</td>
<td>Director of Environmental Centre Europe</td>
<td>SONY INTERNATIONAL (EUROPE) GMBH</td>
</tr>
</tbody>
</table>

## A senior-level, strategic event with expert contributions from:

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Company/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Andrew Baynes</td>
<td>Environmental Affairs Manager Europe</td>
<td>APPLE COMPUTER INC</td>
</tr>
<tr>
<td>Bernd Kopacek</td>
<td>Managing Director</td>
<td>AUSTRIAN SOCIETY FOR SYSTEM ENGINEERING AND AUTOMATION</td>
</tr>
<tr>
<td>Eliane Masser</td>
<td>Manager, Regulatory Affairs EMEA</td>
<td>CISCO SYSTEMS</td>
</tr>
<tr>
<td>Jan-Willem Scheijgrond</td>
<td>Chairman Environmental Policy Committee</td>
<td>EICTA</td>
</tr>
<tr>
<td>Viktor Sundberg</td>
<td>Vice President Environmental &amp; European Affairs</td>
<td>EPSON EUROPE</td>
</tr>
<tr>
<td>Lars Dittmer</td>
<td>Director, Public and Regulatory Affairs</td>
<td>ELECTROLUX HOME PRODUCTS EUROPE</td>
</tr>
<tr>
<td>Ann Condon</td>
<td>Director and Counsel, EHS Programs, Europe</td>
<td>ERICSSON</td>
</tr>
<tr>
<td>Hans Korfmacher</td>
<td>Director Environmental Affairs Europe</td>
<td>GE INTERNATIONAL</td>
</tr>
<tr>
<td>Klaus Hieronymi</td>
<td>General Manager and Director Environmental Business Management &amp; Take Back Organisation</td>
<td>GILLETTE MANAGEMENT INC</td>
</tr>
<tr>
<td>Takashi Sugiyama</td>
<td>Director</td>
<td>HEWLETT-PACKARD EUROPE</td>
</tr>
<tr>
<td>Wim Bruens</td>
<td>Director of Environmental Competence Centre</td>
<td>NECT EUROPE</td>
</tr>
<tr>
<td>Prof. Ab Stevels</td>
<td>Senior Advisor Environment</td>
<td>PHILIPS CONSUMER ELECTRONICS</td>
</tr>
<tr>
<td></td>
<td>Chair in Environmental Design</td>
<td>PHILIPS CONSUMER ELECTRONICS</td>
</tr>
<tr>
<td>Dipl.-Ing. Hartmut Müller</td>
<td>Head of Corporate Department Environmental and Fire Protection, Safety</td>
<td>DELFT UNIVERSITY OF TECHNOLOGY</td>
</tr>
<tr>
<td>Gerd Schmidt</td>
<td>Vice President Group Office Quality and Technology Siemens Medical Solutions</td>
<td>ROBERT BOSCH</td>
</tr>
<tr>
<td>Dr. Hermann Krähling</td>
<td>Managing Director</td>
<td>SIEMENS</td>
</tr>
<tr>
<td>Herm Verbeek</td>
<td>Head of the Product Development Department &amp; Co-ordinator DEEP ReCycle</td>
<td>TECPOL TECHNOLOGY DEVELOPMENT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TNO INDUSTRIAL TECHNOLOGY</td>
</tr>
</tbody>
</table>

## Supported by

EICTA

European Networking Group

European Information Systems
Communication Technologies
Consumer Electronics

Organised By

[LOGO]
DAY ONE: WEDNESDAY, 26 NOVEMBER 2003

08:30 Registration and Welcome Coffee

09:00 Opening Remarks from the Chair
Ann Condon – Director and Counsel, EHS Programs, Europe
GE INTERNATIONAL

09:15 OVERVIEW OF THE WEEE AND RoHS DIRECTIVES; REQUIREMENTS AND A SUMMARY OF THE TAC DEFINITIONS
• The WEEE Directive requirements in a nutshell
• Decisions to be made on a European level after publication of the WEEE directive
• The ‘other’ Directive; RoHS Directive requirements and issues to be resolved
Jan-Willem Scheijgrond – Chairman Environmental Policy Committee – EICTA & Product Regulation and Environment Manager
EPSON EUROPE

10:00 IMPLEMENTATION OF THE WEEE DIRECTIVE TO NATIONAL LAW AND MANAGING THE RECYCLING OBLIGATION AT ELECTROLUX
• Main objectives and obligations of the EU WEEE Directive and concerns for the implementation to national law
• Investigating the Electrolux strategy to recycling in the EU
• Examining the case study of the European Recycling Platform (Braun, Electrolux, HP, Sony); strategy and objective
Viktor Sundberg – Vice President Environmental & European Affairs – ELECTROLUX HOME PRODUCTS EUROPE

10:45 Networking Coffee Break – Sponsored By
MIREC

11:15 MANAGING WEEE & RoHS IMPLEMENTATION IN EUROPE FROM THE PERSPECTIVE OF MATSUSHITA ELECTRIC
• Investigation into legal requirements
• Assessing internal managerial impact
• Impact to manufacturing and supply chain
Wilfried Oppermann – Head European Environmental Affairs
MATSUISHITA ELECTRIC EUROPE (HQ) LTD

12:00 ADAPTING PAST TAKE-BACK PROGRAMME EXPERIENCE TO SUCCESSFULLY IMPLEMENT TAKE-BACK UNDER THE WEEE DIRECTIVE
• Understanding operational requirements in the take-back chain. Lessons and results from past take-back programmes
• Strategies for encouraging customer involvement in take-back activities. Can these strategies work under the WEEE Directive?
• Developing corporate tools to understand the financial exposure of the WEEE Directive
Andrew Baynes – Environmental Affairs Manager Europe
APPLE COMPUTER INC

12:45 Lunch

14:00 COST OF TAKE-BACK/RECYCLING LEGISLATION
• Where will the financing come from?
• Locating large-scale recycling plants outside the EU that comply with the shipment regulation
• Coordinating with board members and responsible parties to define where funding comes from: gaining support and guidance for financial ramifications of Directives
• Cost to be built into price of future products?
• Visible fees charged to consumers?
• Cost to be handled internally?
• Joint responsibility with Finance Department?
Eliane Masser – Manager, Regulatory Affairs EMEA
 CISCO SYSTEMS

14:45 COLLECTIVE RESPONSIBILITY: FINANCING THE RECYCLING OF HISTORIC WASTE
• Forcing existing manufacturers to pay for firms that have gone bust or stopped selling in Europe but still have products in circulation; how will this affect the core business of these manufacturers?
• Encouraging the improvement of the design of their own equipment as well as ‘footing the bill’
• Could this lead to a growth in cheap imported goods since non-EU producers would be neither individually or collectively liable and therefore would not have to pay for the collection and treatment of their products?
• Collective responsibility; forming not-for-profit recycling schemes
• Individual responsibility; producers setting up their own systems will still need to contribute a fair share towards the financing of a general scheme for historical waste; how will this impact cost?
Facilitator: Bernd Kopacek – Managing Director – AUSTRIAN SOCIETY FOR SYSTEM ENGINEERING AND AUTOMATION
Wim Bruins – Director of Environmental Competence Centre
PHILIPS CONSUMER ELECTRONICS

15:45 Networking Coffee Break

16:15 PRODUCER RESPONSIBILITY - IS IT FAIR?
• Interaction with sub-suppliers regarding raw material and sub-assemblies
• Relationships with the end-user and waste treatment companies
• Investigating reporting and financial obligations
• How can a manufacturer ensure that their money is wisely spent?
• Considering geographical differences; guaranteeing that the optimum treatment route has been chosen
Lars Dittmer – Director, Public and Regulatory Affairs
ERICSSON

17:00 THE EUROPEAN RECYCLING PLATFORM- A STRATEGY TO IMPLEMENT THE INDIVIDUAL PRODUCER RESPONSIBILITY
• What is the philosophy of IPR and the intention of the WEEE Directive?
• Why is the concept of the individual producer responsibility good for the environment, economy, consumer and industry?
• How can the concept of IPR be implemented today?
• What is the legal basis for IPR and how could this be handled in the national legislation?
• Implementation concept of the European Recycling Platform
• What is the future of collective systems?
Hans Korfmacher – Director Environmental Affairs Europe
GILLETTE MANAGEMENT INC

17:45 ELECTRONICS RECYCLING EXPERIENCE IN JAPAN: THE NEC CASE STUDY
• Examining the differences between Japanese recycling legislation and WEEE & RoHS
• What is the actual situation in Japan?
• Ecodesign in Japan
• Attitudes of the Japanese industry to comply with WEEE and RoHS;
• JBCE’s activities (Japanese Business Council in Europe)
• Global supply chain management
• The difficulties with WEEE and RoHS
Takashi Sugiyama – Director – NEC EUROPE

18:30 Closing Remarks from the Chair

18:45 Drinks Reception

FOR MORE IN
CONTACT E.N.G. EUROPEAN NETWORKING GROUP
08:30 Registration and Welcome Coffee

08:45 Opening Remarks from the Chair

09:00 UNDERSTANDING WHAT MEANS BY PROPER TREATMENT OF PRODUCTS IN THE RECYCLING PROCESS
- Realising what this means for the products you manufacture: analysing products, their materials and their recyclability
- Identifying products that carry the banned materials for effective substitution
- Developing and adapting processes for treatment to your specific needs
- Implementation of an adequate tool to follow up on the requirements of the WEEE
- Concepts to verify requirements to prove business relevance

Gerd Schmidt – Vice President Group Office Quality and Technology Siemens Medical Solutions – SIEMENS

09:45 TAKE BACK – A TOPIC FOR THE BUSINESS MANAGEMENT
- Global Take Back situation
- What motivates companies?
- How to ensure that national WEEE-Implementation meets the requirements to motivate business management
- Internal structures and processes required
- How is HP preparing for WEEE?

Klaus Hierarchy – General Manager and Director Environmental Business Management & Take Back Organisation HEWLETT-PACKARD EUROPE

10:30 Networking Coffee Break

11:00 SONY'S STRATEGIES TO IMPLEMENT WEEE AND RoHS
- WEEE: Looking at the Sony Global Product Recycling Strategy
- Experience from the Japanese recycling system RoHS
- Measures for eliminating hazardous substances
- Targets in switching to lead-free

Dr. Lutz Günther Scheidt – Director of Environmental Centre Europe – SONY INTERNATIONAL (EUROPE) GMBH

11:45 TOWARDS SUSTAINABLE PLASTICS RECOVERY
- Fostering transparency; regulations, waste flows, recovery options and market parameters for recovery products
- Developing concepts and technologies; materials / feedstock recycling and energy recovery, competition and synergies
- Integration, players along the plastics value chain and throughout Europe – dialogue with stakeholders

Dr. Hermann Kräbling – Managing Director TECPOL TECHNOLOGY DEVELOPMENT

12:30 Lunch

13:45 DOUBLE U-TRIPLE E: TRIPLE OPTIONS FOR PRODUCT DESIGN 4 U
- Three options for individual manufacturers to deal with the WEEE targets from a product design perspective
- Trade off between economic and environmental impact in product recycling (both for disassembly and mechanical / material recycling)
- Design for Chemical Content: from recyclability analysis based on EOL scenario analysis to prioritisation of design challenges
- Closing product resource cycles from a designers point of view
- Practical redesign case study examples to illustrate technical design opportunities

Herm Verbeek – Head of the Product Development Department & Co-ordinator DEEP ReCycle TNO INDUSTRIAL TECHNOLOGY

15:45 Networking Coffee Break

16:15 MAXIMISING THE ECO-EFFICIENCY OF RECYCLING SYSTEMS
- The definition of yardsticks to measure and audit environmental and cost performances of recycling
- Achieving eco-efficiency by setting priorities in collection, treatment and secondary materials application
- The importance of achieving economy of scale of recycling systems
- What can design for disassembly and design for better chemical content contribute?
- Where is refurbishment / re-use of components to be positioned with respect to recycling?

Prof. Ab Stevels – Senior Advisor Environment PHILIPS CONSUMER ELECTRONICS & Chair in Environmental Design DELFT UNIVERSITY OF TECHNOLOGY

17:00 HAZARDOUS MATERIALS SUBSTITUTION; DIFFERENTIATING YOUR COMPANY BY PRODUCING COMPLIANT PRODUCTS QUICKLY
- Identification of hazardous materials; internal analysis of what you need to change
- Management of the phasing out of banned substances; identifying and finding a substitute
- What does this mean for the cost structure of the manufacturer? Will it prohibit RoHS compliance?
- Ensuring quality and reliability of products without those substances; processes for accomplishing this
- What processes are being incorporated to replace old processes?
- Making it happen from the management level down
- Changing to new manufacturing techniques to adhere to RoHS

Dipl.-Ing. Hartmut Müller – Head of Corporate Department Environmental and Fire Protection, Safety – ROBERT BOSCH

17:45 Closing Remarks from the Chair & Close of Conference

THANK YOU!
European Networking Group would like to thank all those executives who assisted with the research and preparation for this event, particularly the speakers, associations and sponsors who are supporting the event through their participation. For further information on E.N.G., please refer to our website www.eng-nl.com
REGISTRATION FORM

Date 26 & 27 November 2003
Venue The Grand, Amsterdam

DELEGATE DETAILS

Name
Position
Name
Position
Organisation
Address

Postcode
Town
Country
Tel
Fax
E-mail

Signature

This booking is invalid without a signature
Company Size:
Under 100
100+
250+
500+

Nature of Business

Name of Manager

☐ 2 DAY CONFERENCE FEE € 1995.00 + VAT
☐ DOCUMENTATION € 454.00
☐ 20% DISCOUNT FOR 3-4 ATTENDEES
☐ 30% DISCOUNT FOR 5-9 ATTENDEES
☐ 40% DISCOUNT FOR 10+ ATTENDEES
Three or more people registering from the same company, at the same time, qualify for these discounts. Send registration together.

Prices include the conference documentation, lunches, refreshments and service charge but exclude hotel accommodation. VAT is charged at 19%.

METHODS OF PAYMENT

☐ Bank Transfer - E.N.G. Ltd, ABN-AMRO Bank, Leidseplein 25, Postbus 6382, 1005 EJ Amsterdam, The Netherlands
A/C NO: 55 84 73 741 - Sort Code: ABNANL2A -
VAT No: NL808448717B01
☐ Cheque - made payable to E.N.G.
Please quote delegate name(s) and ENG078 as reference
☐ Credit Card - Please debit my card
☐ Mastercard* ☐ VISA ☐ AMEX

Card Holder’s Name
Card No

Signature Expiry Date

*MASTERCARD/VISA HOLDERS 3-DIGIT CARD VERIFICATION NUMBER ___ / _ / _
The CVC no. is found on the back of your card, usually within the space where your signature is recorded. They are the LAST 3 DIGITS of this number

Payment is required within 5 working days

ELECTRONICS RECYCLING SUMMIT
26 & 27 November 2003
The Grand, Amsterdam

4 WAYS TO REGISTER

1. FAX 0031(0)20 305 0970
2. TELEPHONE 0031(0)20 305 0950
3. EMAIL recycling@eng-nl.com
4. MAIL TO E.N.G. Prinsengracht 468 • 1017 KG Amsterdam • The Netherlands

visit our website WWW.ENG-NL.COM

WHO SHOULD ATTEND

Key Target Groups:
Electronics Companies, and SMEs:
• Executives, Heads, Chiefs, Director’s Environmental Affairs / Environment
• Executives, Heads, Chiefs, Director’s Environmental Issues
• Executives, Heads, Chiefs, Director’s Environment Centres
• Executives, Heads, Chiefs, Director’s Legal / Regulatory / Governmental Affairs

BUSINESS OPPORTUNITIES
A limited amount of exhibition space is also available at the forum. Sponsorship opportunities covering luncheon, evening receptions and advertising in documentation packs are also available.
For further details please contact:
Irina Kremin, Sponsorship Manager
0031(0)20 305 8847
ikremin@eng-nl.com

CONFIRMATION: You will receive a letter outlining the details two weeks before the event.
For any further information please contact our Administration at E.N.G.

CANCELLATIONS: By completing this registration form, the client hereby agrees that E.N.G. will not be able to mitigate its losses for any less than 30% of the total contract value even if the cancellation is 1 day after booking. Cancellations must be received by mail, fax or email three weeks before the conference, 28 October, 2003. Thereafter the full conference fee is payable. For cancellations received in the 3rd and 2nd week prior to the event, credit notes will be issued. No credit note will be issued if a cancellation is received 1 week or less prior to an event. Delegate Substitutions are welcome at any time prior to the dates of the conference. If for any reason E.N.G decides to amend this conference, we are not responsible for covering airfare, hotel or other costs incurred by registrants. In the event that E.N.G cancels the conference, E.N.G reserves the right to transfer this booking to another conference to be held in the following twelve months, or to provide a credit of an equivalent amount to another conference within the same sector. E.N.G. does not bear responsibility for programme amendments due to cancellation from speakers. E.N.G. also reserves the right to change the programme as seen fit. E.N.G. does not provide refunds due to programme changes.

HOTEL ACCOMMODATION: The conference fee does not include accommodation. For accommodation rates please contact
The Grand Sofitel Demuree Amsterdam
Oudezijds Voorburgwal 197, 1012 EX, Amsterdam.
Tel: +31 (0)20 555 31 11, Fax: +31 (0)20 555 32 22,
www.thegrand.nl

DATA PROTECTION: Your details may be passed to other companies who wish to communicate with you. Please write, fax or email to our Marketing Department if you do not wish to receive this information.