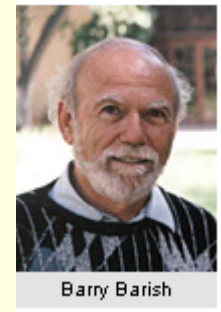
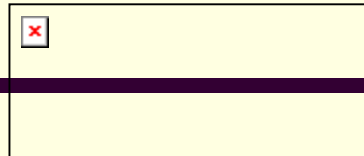
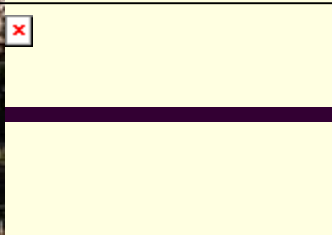




# ELAN and ILC



## ILC-European Regional Meeting



# What is ELAN ?

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- ELAN is the **European Network** for Coordination of studies and technical R&D for electron linear accelerators and collider, inside **CARE**, the FP6 funded, structured and integrated accelerator research in Europe
- <http://esgard.lal.in2p3.fr/Project/Activities/Current/Networking/N2/ELAN/>
- ELAN fosters the communication between laboratories and universities involved in the ILC and supports specifically the Superconducting RF related topics during this workshop.
- ELAN has to provide to UE deliverables in the form of workshops, reports, web sites, code repositories, new EU initiatives...

# ELAN Ressources

Country	Number of institutes	Number of persons
Finland	1	3
France	8	70
Germany	12	130
Italy	5	45
Netherlands	2	7
Poland	3	20
Portugal	1	3
Spain	3	9
Sweden	1	2
Switzerland	2	3
United Kingdom	15	60
CERN	1	30

**Total Budget: 680 k€**

•16 Contractors

•26 Associates

-> 53 labs in total

-> 380 Physicists and  
Engineers

## Industrial Involvement:

Country	Number of Companies
Germany	4
Italy	1
UK	4

**Coordinator : F. Richard**  
**Deputy : D. Schulte**

**Steering Committee**

**LTECNC**  
**G.Guignard**

**LTECSC**  
**L.Lilje**

**BDYN**  
**D.Schulte**

**INSTR**  
**G.Blair**

**ANAD**  
**B.Cros**

**High gradient**

**Power transfer**

**RF power sources**

**Drive beam**

**Precision alignment**

**Electron source**

**Cavities**

**Magnets**

**Material research & fabrication methods**

**Emittance preservation**

**Luminosity stabilisation**

**Tuning algorithms**

**Orbit control**

**Simulation code development**

**Beam position monitor**

**Beam size & bunch length monitors**

**Feedback systems**

**Ultra short pulse electron injectors**

**Ultra-high gradient extended plasma wave**

**Beam diagnostics for plasma accelerators**

**Integrated experiment**

# Workshops Supported by ELAN

2005

<b><u>WIGGLE2005</u></b> - Mini-Workshop on Wiggler Optimization for Emittance Control	21 - 22 February	Frascati, Italy
<b><u>Metrology and Stabilisation</u></b> - for Linear Colliders Workshop	10 - 11 March	LAPP, Annecy le Vieux, France
<b><u>LCWS05</u></b> - International Linear Collider Workshop	18 - 22 March	Stanford, USA
<b><u>TESLA Collaboration Meeting</u></b>	March 30 - April 1	Desy, Germany
<b><u>Positron Sources for International Linear Collider</u></b>	11 - 13 April	Daresbury, UK
<b><u>HEEAUP2005</u></b> - International Workshop on High Energy Electron Acceleration Using Plasmas 2005	8 - 10 June	Institut Henri Poincaré, Paris, France
<b><u>ILC-BDIR</u></b> London Beam Delivery Systems	20 - 23 June	London, UK
<b><u>SRF2005</u></b> 12 <sup>th</sup> International workshop on RF Superconductivity	10 - 15 July	Cornell University, US
<b><u>The 2005 International Linear Collider Physics and Detector Workshop and Second ILC Accelerator Workshop</u></b>	14 - 27 August	Snowmass, Colorado, USA
<b><u>SPIE 2005</u></b> Photonics Application in Industry and Research IV	30 August - 2 September	Warsaw, Poland

# LIST OF PLENARY TALKS

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- Issues related to normal conducting linear colliders  
[G.Guignard\(CERN\)](#)
- Recent devel. on SRF Techno in view of Snowmass  
[L.Lilje \(DESY\)](#)
- New techniques of acceleration  
[B.Cros \(LPGP Orsay\)](#)
- The Mini-Workshop on **WIGGL**er optimization  
for **E**mittance control [M.E. Biagini \(Frascati\)](#)

GDE:

- 16:00 ATF2 - Overview (K. Yokoya)
- 16:30 European Issues (B. Foster)
- 17:00 American Issues (G. Dugan)

# An instrument for the GDE

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- Travel money available for meetings supported by ELAN
- Mild conditions
  - Acknowledgement of ELAN support
  - ELAN Documents from participants  
(35 ELAN-Doc so far)
- A Gate for new comers which can enter ELAN as associates



**Good Meeting !**

