

Elma Electronic (CH)	Pro-Log (F)
Eltec International (F)	Tecsi (F)
Eonic Systems (B)	Tektronix (UK)
Gespac (CH)	VERO Electronics (D)
Harris Computer Systems (F)	Vsystems (F)
Hytec (UK)	Windriver Systems (UK)
INCAA (NL)	

Information: L. Pregernig / CN,
E-mail (Ludwig.Pregernig@cern.ch) or 2666

Thursday 18 April

TECHNICAL PRESENTATION

at 10.00 hrs – AT Auditorium, bldg 30/7-018

Kapton Polyimide Films – Recent Developments

by Harry GUMM and Günter FORSTER / Du Pont de Nemours

Thursday 18 April

LHC TECHNICAL SEMINAR

at 16.00 – AT Auditorium, Bldg. 30/7th fl.

Simulations of thermal and mechanical effects induced by particle cascades in the LHC machine components

by J.M. ZAZULA/CERN

Friday 19 April

TECHNICAL PRESENTATION

at 09.00 hrs – CN Auditorium, bldg 31/3-004-5

SGI CERN TOUR.

by Gerard DALANG, Marc CHELI, Olivier HARTMANN, Paride ZIZARI, Jean-Louis THIMBAUL / SGI.

Organiser : S. Cannon / CN / 5036

POUR INFORMATION / FOR INFORMATION

LAPP

Laboratoire d'Annecy de physique des particules

Chemin Bellevue

F-74000 ANNECY-LE-VIEUX

VENDREDI 12 AVRIL

SÉMINAIRE LAPP

à 14h.04 hrs – AMPHI du LAPP

"Recherche de la désintégration $\rightarrow D^{*+} D^{*-} X$ dans l'expérience DELPHI au LEP du CERN"

par M-L. ANDRIEUX / ISN Grenoble

EDUCATION SERVICES EDUCATIFS

ENSEIGNEMENT GÉNÉRAL

Tél. 5811

Jeudi 18 avril

à 13.00 h – Amphithéâtre

Science pour tous

par Rafel CARRERAS

(Veuillez prendre note que "Science pour tous" n'aura pas lieu les jeudis 4 et 11 avril.)



ENSEIGNEMENT TECHNIQUE TECHNICAL TRAINING

Monique Duval ☎ 44.60

monique_duval@macmail

Information sur les cours, dates et places disponibles sur WWW :
Information about the courses, dates and places available on WWW :

<http://www.cern.ch/Training/>

Technical Seminar

April 25, 1996 at 14.30

Room 13, Building 593

Magnetostrictive Force Actuators for High Precision Positioning

V.I. Rakhovsky (VMP LTD, Moskow, Russia)

Magnetostrictive actuators for positioning with subnanometer resolution (10^{-2} nm) in ranges up to 1m have been developed and used. These actuators with 10 nm step can also be used as force actuators to deliver efforts up to 10^4 N. Precise displacements are set by active elements made of giant magnetostrictive alloys.

The actuators have been designed for precise manipulators and object tables, nanotechnology devices, adaptive optics, for the manufacturing of VLSI, Fresnel optics, diffraction gratings, etc. Low-power excitation of active elements is performed due to a unique patented method allowing for a drift of less than 10^{-3} nm/s without any temperature stabilization. The actuator consumes energy only during displacements.

It can be either operated manually without any external energy source, or by computer control. With manual control one can achieve steps of 3 nm, and with a reduction gear 15.10^{-3} nm. Under computer control these values are 10^{-2} nm resp. $4 \cdot 10^{-5}$ nm. The dimensions of these actuators are 50 x 31 x 27 mm and 120 x 190 x 38 mm.

The author will give a demonstration of the micropositioner under various conditions.

This seminar is free of charge and no registration is necessary.



MANAGEMENT & COMMUNICATION SEMINAIRES PREVUS D'AVRIL A JUIN 1996 SEMINARS FORESEEN FROM APRIL TO JUNE 1996

Madeleine Pincott madeleine_pincott@macmail ☎ 3674 temps partiel / part time
Nathalie Dumeaux nathalie_dumeaux@macmail ☎ 8144 temps partiel / part time

Situation : 3.4.1996

Dates	Séminaires / Seminars	Lang.	Durée Duration	Disponibilité Availability
17, 18 April	Communicating effectively, part 1	E	2 days	full
6, 7 mai / May & 6, 7 juin / June	Outils pratiques de management pour Top Managers / Practical management tools for Top Managers	B	4 jours / days	-
8, 9 May	Communicating effectively, part 2	E	2 days	full
8, 9 mai & 14 juin	Techniques d'exposé et de présentation	F	3 jours	6 places
9, 10 mai	Communiquer efficacement 1e partie	F	2 jours	2 places
13, 14 May & 17 June	Making presentations	E	3 days	7 places
21, 22 mai / May	Information sur les services administratifs et logistiques du CERN / Information on CERN administrative and support services	B	2 jours / days	8 places
28, 29, 30 mai / May	Préparez-vous à animer et à gérer une équipe au CERN / Preparation for running and managing a team at CERN	B	3 jours	-
3, 4, 5 juin / June	Atelier de réflexion sur le CERN d'aujourd'hui et de demain / Workshop on CERN today and tomorrow	B	3 jours / days	-
11, 12 juin	Communiquer efficacement 2e partie	F	2 jours	2 places
11, 12 juin	Les outils de communication dans une équipe	F	2 jours	6 places
13, 14 juin / June & 1, 2 juillet / July	Outils pratiques de management pour Top Managers / Practical management tools for Top Managers	B	4 jours / days	-
18, 19 June	Negotiating Skills	E	2 days	8 places
19, 20 June	Communicating Effectively in your team	E	2 days	6 places
25, 26 juin	Animer & participer à une réunion	F	2 jours	7 places
25, 26 June	Running & participating in meetings	E	2 days	8 places

Si vous désirez vous inscrire pour un de ces séminaires
prenez contact avec votre responsable hiérarchique et
votre DTO.

If you would like to enrol in one of the following seminars,
please contact your supervisor and your DTO.

ENSEIGNEMENT ACADEMIQUE ACADEMIC TRAINING

Françoise Benz ☎ 3127

Informations détaillées sur le WWW
Information about the lectures on WWW
<http://www.cern.ch/Training/>

3rd TERM (April 1 to June 30, 1996)

LECTURE SERIES FOR ACADEMIC TRAINING

15, 16, 17, 18 & 19 April

11h00-12h00 - Auditorium

"Medical Imaging"

by D. TOWNSEND / University of Pittsburg, USA

6, 7, 8, 9 & 10 May

11h00-12h00 - Auditorium

"Higgs and Supersymmetric Particle Physics at LEP2"

by M. CARENA / CERN-TH

20, 21, 22, 23 & 24 May

11h00-12h00 - Auditorium

"Gravitational Waves"

by B. BARISH / Caltech, Pasadena, USA

17, 18, 19 & 20 June

11h00-12h00 - Auditorium

"Software Engineering : turning theory into practice"

by R. JONES / CERN-ECP

The lectures are open to all those interested, without ap-
plication.

The abstract of the lectures, as well as any change to the
above information (title, dates, time, place, etc.) will be
published in the CERN Bulletin, the WWW and by No-
tices before each Term and for each series of lectures.