

- Topics:** Finite state machines, regular expressions and regular grammars.
 Use of LEX to generate scanners and simple filters for text processing.
 General pattern matching such as found in editors, data base queries and other utilities (e.g., GREP).
 Push down automata, context free grammars and Backus Naur Form (BNF).
 LR(1), LL(1) and recursive descent parsing techniques.
 Use of YACC to generate LALR(1) parsers.
 General compiler organization. Symbol table organization and use.
 Error detection and recovery. Semantics checking. Simple code generation.
 Interpretative techniques. Design of run-time support.
- Course profile:** Lectures will be given each morning and for part of the afternoons sessions.
 The rest of the afternoon sessions will be devoted to exercices involving the use of LEX and YACC tools on UNIX.
- Material:** Participants will receive a copy of *"Compilers: Principles, Techniques and Tools"* by Aho, Sethi and Ullman.
 They will also receive copies of code listings for working examples.
- Registration:** For more information and to register, please contact :
 M. G. de Bilio (phone 4409 or BILIO@CERNVM)
- The Lecturer:** Bob Russell has been a visitor at CERN several times, where he has designed and developed PL-11, ORION and most recently PILS.
 He has been in the Computer Science Department at the University of New Hampshire for 11 years, and received his Ph.D. in Computer Science from Stanford University.

INFORMATIONS **GENERALES** GENERAL **INFORMATION**

UA1 VISITS

We regret to inform you that visits to the UA1 experiment are forbidden until further notice.

E. Radermacher / F. Szoncsó
 EP Division

DISTRIBUTION DE LA LISTE DES POSTES VACANTS

Afin de rationaliser la procédure destinée à informer les membres du personnel sur les possibilités d'emploi, les listes de postes vacants seront désormais insérées chaque quinzaine dans le Bulletin hebdomadaire au lieu d'être distribuées séparément dans le CERN. La première liste paraît dans ce même bulletin.

Une description des fonctions principales des postes réservés aux candidatures internes sera ainsi communiquée. Quant aux vacances de postes également ouvertes aux candidatures externes, elles pourront être consultées au tableau d'affichage du Bâtiment principal et à la Division du Personnel.

Division du Personnel
 Tél. 3736/2818

AUX UTILISATEURS DE CYCLOMOTEURS APPARTENANT AU CERN ET EQUIPES DE PLAQUES GE - ANNEE 1986

Les utilisateurs de cyclomoteurs doivent adresser avant le 4 mai 1987 dernier délai, à P. Badoux, les documents suivants :

- permis de circulation gris
- permis de circulation jaune
- carte verte d'assurance

afin de procéder au renouvellement des plaques pour l'année 1987.

Sous-section Ateliers
 Section Manutentions
 Division ST

DISTRIBUTION OF VACANT POST LIST

In order to rationalize the procedure for notifying members of the personnel about CERN staff employment opportunities, from now on the lists of vacant posts will be incorporated in the Weekly Bulletin every second week, instead of being distributed separately throughout CERN. The first edition of the new list appears in this Bulletin.

A description of the major functions is given for those posts reserved for internal candidates. Vacancy notices for posts which are also open to external candidates can be consulted on the notice board in the Main Building and in Personnel Division.

Personnel Division
 Tel. 2735/2818

Du 19 au 22 mai

Hall du Bâtiment de l'Administration
(Bât. 60 - 1^{er} étage)

09h00 - 17h30 (Vendredi 12.00 h)

LE PORTUGAL AU CERN

Six entreprises exposeront le dernier cri de leur technologies à l'exposition 'Le Portugal au CERN'. Les industries portugaises exposeront des produits et des techniques spécialement en rapport avec la physique des hautes énergies.

L'exposition est organisée par l'Instituto do Comércio Externo de Portugal, Lisboa, délégation en Suisse Office Commercial du Portugal.

Vous trouverez ci-après la liste des exposants.

19 to 22 May

Administration Building
(Bldg 60 - 1st floor)

09.00 hrs - 17.30 hrs (Friday 12.00 hrs)

PORTUGAL AT CERN

Six companies will present their latest technology at the 'Portugal at CERN' exhibition. The Portuguese industries will exhibit products and technologies which are specifically related to the field of high energy physics.

The exhibition is being organized by the Instituto do Comércio Externo de Portugal, Lisboa, delegation in Switzerland Commercial Office of Portugal.

For list of exhibitors, see below.

LISTE DES EXPOSANTS

LIST OF EXHIBITORS

ARSOPI – Indústrias Metalúrgicas Arlindo S. Pinho, Lda Relva
EFACEC – Empresa Fabril de Máquinas Eléctricas, SA
FNAC – Fábrica Nacional de Ar Condicionado UCRL
MAGUE, SARL – Construções Metalomecânicas
SEPSA – Sociedade de Construções Electro-Mecânicas, SARL
SOREFAME – Sociedades Reunidas de Fabricações Metálicas, SARL

Instituto do Comércio Externo de Portugal
Av. 5 de Outubro 101
P – 1000 LISBOA
tel. 351 11 173 01 03
tlx 16498 ICEP

Délégation en Suisse :
Office Commercial du Portugal
50, Quai Gustave-Ador
CH – 1207 GENEVE
tél. 022 / 35 74 10
tlx 27709 ICEP CH

Information : M. Diraison / FI / 4585

LE KIOSQUE AU RESTAURANT no 3

Une rumeur concernant la fermeture du kiosque à journaux situé près du Restaurant no 3 a causé une certaine inquiétude parmi les personnes travaillant sur le site de Prévessin. Tel n'est pas le cas et telle n'a jamais été l'intention.

Le nouveau concessionnaire du Restaurant no 3, la Générale de Restauration, va poursuivre temporairement la vente des journaux et magazines au kiosque proche du restaurant. En outre, des discussions sont actuellement en cours avec les personnes intéressées par la reprise du kiosque sur une base permanente.

Directeur de l'Administration

NEWS-STAND NEAR RESTAURANT No 3

Some disquiet has been caused among people working on the Prévessin Site by a rumour that the news-stand near Restaurant No 3 was to be closed. This is not the case and has never been the intention.

The new concessionaire for Restaurant No 3, Générale de Restauration, will continue the sale of newspapers and journals at the news-stand near the restaurant on an interim basis. Meanwhile, discussions are in progress with prospective contractors who will operate the news-stand on a permanent basis.

Director of Administration

ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE CERN EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH			VACANT POSTS Internal and external recruitment		Date 1.5.87
Post number	Vacancy notice		Job title	Grade	Selectio board
	No.	Date			
TH-SP-055	87-12	24.03.87	Physicist	9	B
EP-RE-036	86-38	11.11.86	Physicist	9	
EP-ADM-SE	87-9	06.03.87	Secretary	5	
EP-RE-88-050	87-22	31.03.87	Physicist	9	
EF-DI-360/386 /390	87-10	11.03.87	Physicist	9	
DD-OCS-169	87-7	04.03.87	Engineer, Physicist or Mathematician (Programming)	8	
DD-US-UC-173	87-11	19.03.87	Engineer, Physicist or Mathematician (Programming)	8	
DD-OC-182	87-8	04.03.87	Engineer, Physicist or Mathematician (Programming)	8	
DD-ADP-183	87-18	31.03.87	Systems Analyst	8	
DD-OCS-186	87-15	31.03.87	Engineer (Programming)	8	
DD-OCS-188/189	87-17	31.03.87	Engineer (Programming)	8	
SPS-AOP-007	87-13	23.03.87	Technician (Accelerator Operations)	6	B
SPS-AOP-295/343	87-14	23.03.87	Engineer or Physicist	8/9	
SPS-ACC-CM	87-23	13.04.87	Technician (Programming)	6	
SPS-AOP-122	87-24	13.04.87	Technician (Accelerator Operations)	6	
SPS-ACC-SW-003 /075	87-25	13.04.87	Physicist or Mathematician (Programming)	8/9	
SPS-ABT-FP-418	87-26	13.04.87	Technician (Electronics)	6	
ST-TIS-FB-SF-572	87-5	24.02.87	Fireman	4	
PS-OP-MO-034	87-3	17.02.87	Technician (Accelelator Operations)	6	
PS-CO-060	87-27	13.04.87	Technician (Electronics)	6	
FI-A-063	87-4	18.02.87	Administrative Clerk	4	
FI-A-CD-094	87-6	17.02.87	Buyer	8	B
PE-01	87-1	28.01.87	Senior Administrator	12	
LEP-RF-259	87-20	31.03.87	Technician (Electronics)	6	
LEP-SU-240	87-21	31.03.87	Surveying Engineer	8	
For further information Tel. 2735/2818			please contact Employment Services		

B = Selection board in preparation

ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE CERN EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH		VACANT POSTS		Date
				1.5.87
Post & vacancy nos., date	Job title & summary of functions	Grade	Selection board	
	INTERNAL RECRUITMENT ONLY			
DD-OCS-187 87-16,31.3.87	Engineer (Programming) - To take on major responsibilities as a systems analyst in a team integrating existing clusters of large computers and personal computers into a site-wide management information system.	9/10		
ST-TIS-ES-546 87-28, 14.4.87	Technical Assistant (Electrical) -To work under the direct guidance and supervision of an engineer: -To establish instructions (working methods) concerning the use of electrical apparatus. - To organise and carry out regular safety inspections of electrical installations and equipment of the CERN sites. - To participate in collaboration with the engineer responsible and/or outside inspectors of supervising authorities from the CERN host countries, in reception tests of the electrical installations or equipment.	8		
LEP-IM-TS-229 87-19, 31.3.87	Technician (Mechanics) - As a member of a team in charge of LEP experimental vacuum chambers, fragile and delicate parts nested inside detectors: - To follow and control all steps of the manufacturing and assembly of the 1st generation chambers. To manufacture delicate parts and toolings. To participate in the development of 2nd generation chambers. To design all necessary supports for handling work. To supervise vacuum chamber installation inside the detectors.	7		
For further information please contact Employment Services Tel. 2735/2818				