

ACL (Advanced CMOS Logic) presentation by Zoltan Varga, GE Solid State München (D), Swiss representative Baerlocher AG.

- *Advantages of ACL Advanced CMOS Logic*
- *Difference between other families*
- *ACL Design Rules*

RCA Advanced CMOS Logic matches bipolar Logic families like FAST, ALS, etc., in Speed, Performance and logic type output drive, but at CMOS power levels. Featuring < 3 ns gate propagation delays, ACL is the fastest CMOS logic yet available. ACL can operate at more than 150 MHz. Output drive capability is 24 mA and 64 mA for FCT-types. This capability enables ACL to drive transmission lines. ACL can be used in several applications, including computers, peripherals, and telecommunications, and in portable and military equipment. Operating temperature for plastic version is -55°C - +125°C.

Language : English

Information : M. Diraison / FI / 4585

Wednesday 14 September

THEORETICAL SEMINAR

at 14.00 hrs – Theory Conference Room

Physics goals of future e^+e^- colliders

by G. KANE / Michigan

Recently more thought has been given to the physics reach of several possible future e^+e^- colliders. I will discuss some options, in terms of rare Z decays, possible ways to study the ZWW vertex, and the surprisingly large physics value of an intermediate energy collider (total energy about 400 GeV, luminosity a few times 10^{32}). Various relevant calculations will be presented, supplemented by some results from the recent Snowmass 88 and SLAC studies.

TRAINING AND EDUCATION ENSEIGNEMENT

SERVICE D'APPUI LINGUISTIQUE

Cours de : ANGLAIS - FRANCAIS - ALLEMAND

Les inscriptions sont ouvertes dès maintenant pour le prochain trimestre
26 septembre au 21 décembre 1988.

Les formulaires d'inscriptions sont à votre disposition en libre service au Bât. 54, rez-de-chaussée face au bureau R-013.
Ces cours s'adressent à toute personne travaillant au Cern ainsi qu'au conjoint, pour certains types de cours.

Wednesday 14 September

LEAR DISCUSSION MEETING

at 16.00 hrs – PS Auditorium
bldg 6, 2-024

Does the OZI rule apply to baryons ?

by M. KARLINER / SLAC & Tel-Aviv

Rare decays of mesons

by T. N. TRUONG / Ecole Polytechnique,
Palaiseau

Thursday 15 September

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

Movement and intelligence

by J. C. HAUSMANN / Université de Genève

The problem of moving objects from one position to another (like, for instance, unfolding a music stand) gives rise to very interesting questions in human and artificial intelligence, robotics etc. In this talk, it will be shown how concepts of algebraic and differential topology occur as natural and efficient tools to understand these questions. Conversely, such an approach might be a new source of geometric intuition leading, for instance, to a better understanding of high dimensional manifolds.

* Tea & coffee will be served at 16.00 hrs.

Wednesday 21 September

VAX CLUSTER USERS' MEETING

at 14.00 hrs – DD Auditorium
bldg 31, 3-005

Types de cours

1. **Cours réguliers** : 4 à 8 heures par semaine selon les niveaux et les objectifs des participants,
 - sur 8 niveaux en anglais et en français
 - sur 3 niveaux en allemand.
2. **Séminaires de 4 jours** : cours de perfectionnement axés sur les techniques de communication interpersonnelle efficace **en anglais** pour non-anglophones, **en français** pour non-francophones. Ces cours sont particulièrement destinés à des personnes possédant une bonne connaissance de la langue cible, mais désirant communiquer plus efficacement avec leurs collègues de langue anglaise ou de langue française.

Dates prévues :

Anglais (pour non anglophones) - 2 sessions = A 13, 14 et 27, 28 octobre
= B 17, 18 et 28, 29 novembre

Français (pour non francophones) - 1 session = 6, 7 et 27, 28 octobre.

D'autres sessions seront organisées courant 89.

3. D'autres cours de langues **sur objectifs spécifiques** sont organisés sur demande.

Pour toute information complémentaire veuillez contacter :

1. les professeurs d'anglais et d'allemand - Bureau R-027, Bât. 54, tél. 2957
Tous les jours de 10h.00 à 12h.00
2. les professeurs de français - Bureau R-031, Bât. 54, tél. 3128
Juillet - Lundi, mardi, jeudi de 9h.30 à 12h.00
Août - Mardi, jeudi de 14h.00 à 16h.00
3. le Secrétariat des Cours de langues - Bureau R-013, Bât. 54, tél. 3127
Après-midi seulement.

Note importante :

1. Cours d'expression écrite en français pour non-francophones

Ces cours seront donnés début 89, ils sont destinés à des personnes possédant un bon niveau d'expression orale dans la langue cible. Si vous êtes intéressés retournez le coupon ci-joint au Secrétariat des Cours de Langues. Nous vous contacterons pour un entretien visant à définir vos objectifs.



Cours d'expression écrite

NOM : Prénom :

Division : Tél. : Date :

2. L'anglais tel qu'on le parle en réunion

Ce cours aura lieu cet automne, il est destiné aux membres du personnel non-anglophones qui participent régulièrement à des réunions en anglais et ressentent le besoin d'améliorer leur fluidité et leur précision d'expression dans cette langue. Si vous êtes intéressés par ce type de cours, retournez le coupon ci-joint au Secrétariat des Cours de Langues.



L'Anglais tel qu'on le parle en réunion

NOM : Prénom :

Division : Tél. Date :

LINGUISTIC SUPPORT SERVICES

ENGLISH - FRENCH - GERMAN COURSES

Enrol now for next term's language courses
26 September to 21 December 1988.

Application forms are available in Building 54 - Ground Floor (Education Services), opposite office R-013.

These courses are open to all persons working on the CERN site, and to their spouses.

Types of courses

1. **General language courses :** 4 to 8 hours a week according to student need and level,
 - English and French : 8 levels
 - German : 3 levels.
2. **Total immersion seminars : 4 full days.**
"Communication skills in **English** or **French** for non native speakers".
These courses are particularly designed for people who already have a comfortable grasp of the target language but would like to communicate more precisely and effectively with their colleagues.

Dates :

English (for non-native speakers) - 2 sessions = A 13, 14 & 27, 28 October
= B 17, 18 & 28, 29 November

French (for non-native speakers) - 1 session = 6, 7 & 27, 28 October.

Other sessions will be organized later in the year 88/89.

Further information about all these courses can be obtained from :

- 1. English and German Teachers - Bldg 54, Office R-027, Tel. 2957
Every day from 10:00 to 12:00
- 2. French Teachers - Bldg 54, Office R-031, Tel. 3128
July - Monday, Tuesday, Thursday from 9:30 to 12:00
August - Tuesday, Thursday from 14:00 to 16:00
- 3. Language Courses Secretariat - Bldg 54, Office R-013, Tel. 3127 (afternoons only).

Please note :

1. Written French

Courses on written French will be organized from January '89 onwards. If you are interested in attending such a course please fill in the slip below and send it back to the Language Courses Secretariat. You will then be asked to a meeting to discuss your specific needs.

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Written French

NAME : Firstname :

Division : Tel. : Date :

2. English Spoken At Meetings

A course will be organized this Autumn on the English used specifically at Meetings. This course is for non-native speakers of English who participate regularly in meetings and feel the need to improve the accuracy and fluency of their English in this situation. If you are interested in such a course please fill in this slip below and return it to the Language Courses Secretariat.

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English Spoken At Meetings

NAME : Firstname :

Division : Tel. : Date :

ACADEMIC TRAINING
Tel. 2844-3364

1988-1989
ACADEMIC TRAINING PROGRAMME

1st TERM

October to December 1988

4, 5, 6 & 7 October

11.00 to 12.00 hrs – Auditorium
Accurate tests of the standard electroweak model at LEP
by A. BLONDEL / CERN-EP

14 & 15 November

11.00 to 12.00 hrs – Auditorium
Experimental tests of quantum mechanics in quantum optics
by A. ASPECT / Ecole Normale Supérieure, Paris

10, 11, 12 & 13 October

11.00 to 12.00 hrs – Auditorium
Object-oriented programming
by O. NIERSTRASZ &
D. TSICHRITZIS / Centre Universitaire d'Informatique, Genève

21, 22, 23 & 24 November

11.00 to 12.00 hrs – Auditorium
Elementary introduction to supersymmetry
by S. FERRARA / CERN-TH

1, 2, 3 & 4 November

11.00 to 12.00 hrs – Auditorium
Semiconductor devices for high energy instrumentation
by G. LUTZ / MPI, Munich & CERN-EP

28, 29 & 30 November

1 & 2 December

11.00 to 12.00 hrs – Auditorium
Theory of RF waveguides and cavities
by G. DOME / CERN-SPS

7, 8, 9 & 10 November

11.00 to 12.00 hrs – Auditorium
Superconductivity, hot and cold
by M. CYROT / CNRS, Université de Grenoble

5, 6, 7 & 8 December

11.00 to 12.00 hrs – Auditorium
Elementary introduction to anomalies and superstrings
by L. ALVAREZ-GAUME / CERN-TH

The lectures are open to all those interested, without application.

The abstract of the lectures, as well as any change to the following information (title, dates, time, place, etc.), will be published in the CERN Bulletin and by Notices before each Term and for each series of lectures.

Secretariat : tel. 2844-3364