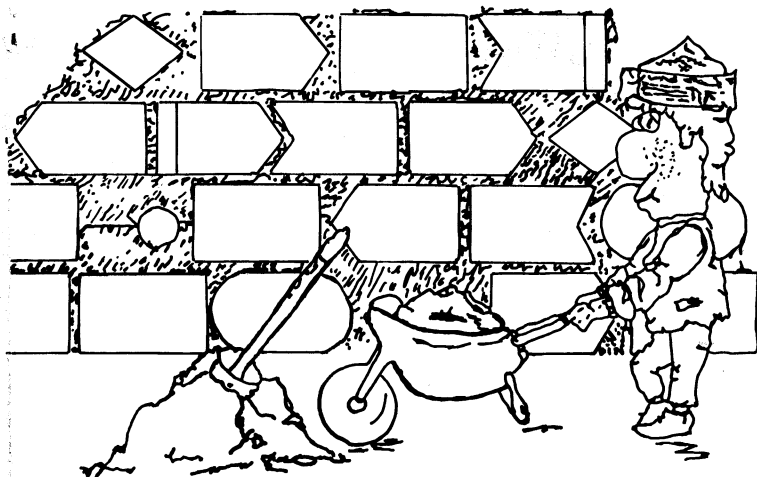


Helsinki
10.-15.3.1985



PTT
Finland



Helsinki 1985. PTL:n piirustuskonttori

second
ccitt **sdl**
users and
implementors
forum

For this reason I am particularly looking forward to seeing you in Helsinki.

Robert Farner.

Roberto Saracco



Phone

[illegible]

THE SECOND SDL USERS AND IMPLEMENT- ORS FORUM (II SDL FORUM)



Forum **Roberto Saracco, CCITT SGX**
chairman:

CSELT	CSELT
Via G Reiss Romoli 274	Tel : 39 11 2169664
I-10148 Torino	Telex : 220539 cselt I
ITALY	Telefax: +39 11 2169520

Secretary of the Technical Committee:

Ferenc Belina, Telelogic, Sweden

Telelogic AB	Telelogic AB/M
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S-21136 Malmö	Telex : +12442 fotex s
SWEDEN	att: matelelo

Organizing Committee:

Terttu von Fieandt
Marja Hietala
Reko Karikoski
Tuija Repo
Arja-Liisa Reunanen
Hannu Tuomisaari, secretary
Seppo Ylä-Pietilä

Secretary: PTT Finland	PTT Finland
Exchange Equipment Div	Tel : +358 0 7042233
P.O. box 526	Telex : +57 121242
SF-00101 Helsinki	Telefax: +358 0 7042084
FINLAND	

Arrangements for the reception of participants, on March 10:

Helsinki Telephone Company

WELCOME TO FINLAND AND HELSINKI!



I take the opportunity to welcome You to Finland, and in particular to Helsinki, to attend the Second SDL Users and Implementors Forum, or "II SDL Forum". If You've ever visited Finland, You may be aware of the fact that having come to Helsinki, You will be more to the north than the south cape of Greenland, or that a great part of its area – where many of Finland's about five millions people live – corresponds to the Antarctic continent on the southern hemisphere of the globe. Fortunately however, we enjoy the warmth of the GOLF stream running through the North Atlantic Ocean, which actually enables us to live here! All the same, this has a certain effect on the weather at the time of Your stay: Most probably it will be cold (0°C to 15°C below zero), and moreover, we try to provide You with lots of snow. Also the sea will be frozen. March is usually very shiny season in the Finnish winter, and days have already got longer. In fact, Finland is an excellent winter sports resort. – Owing to the flatness of the country, even slalom can never get too dangerous for Your health! Cross-country and cross-sea skiing are some of the popular sports of Finland.

As a hint for Your arrival, there are two daily ferries available from Stockholm, Sweden, directly to Helsinki, providing You with all the comfort and services You may require, and they provide You with the experience of travelling among the ice, through the frozen Baltic Sea. This is ofcourse unless we unexpectedly get an exceptionally warm winter.

I would also like to tell You something about the light midsummer nights, temperatures of 20°C to 30°C (above zero!) and swimming in some of the 60'000 lakes or in the sea, but I won't.

Dispite of the weather, You are going to find Helsinki a friendly nordic capital city with lots of cultural, sports and shopping activities. On the streets, whenever You may need some assistance, You can very easily find a person who speaks English, and is happy to be able to help You.

In all cases, whether You wish to have more information on the winter or summer in Finland, or You need assistance on the practical matters during Your stay – both before and during the forum – I, and the forum secretariat, will be glad to be of help to You.

Hannu Tuomisaari

**PROGRAMME OVERVIEW FOR THE SECOND
SDL USERS AND IMPLEMENTORS FORUM
HELSINKI, 10.3.1985-15.3.1985,
HOSTED BY THE FINNISH PTT**



	MO, 11/3	TU, 12/3	WE, 13/3	TH, 14/3	FR, 15/3
09.00	Opening session	Session 3	Session 5	Session 7	Session 10
09.30	Session 1	Users' reports	Abstract data	Languages	Methodologies
10.00	COFFEE				
10.15	Users' reports				
10.45		Discussion 1	Discussion 2		
12.00	LUNCH				
13.30	Session 2 Tools: Documentation Support	Session 4 Tools: Design Support	Session 6 Tools: Others	Session 8 Tools: Others	Session 11 Proof
14.00				Session 9	
14.30	COFFEE				COFFEE 15.30
14.45				SDL toward Implementation	
15.15					
15.45	TRANSPORTATION TO OTANIEMI				Closing session
16.15	Demo	Demo	Demo	Demo	Forum close 16.45
20.00	Transportation to Kulosaari				
20.30	Forum Banquet				
	Kulosaaren Casino				

**PRACTICAL INFORMATION FOR
THE STAY IN HELSINKI**



Meeting place

The II SDL Forum will be held at:

Rakennusmestarien talo

Fredrikinkatu 51-53

00100 Helsinki TEL: +358 0 607 563

Information about telecommunications services will be provided on site: the above telephone is provisional number by which You can be reached during the forum.

Meals

By identifying it in Your registration form, You are counted in for lunches in the premises of the meeting place. This would be the most comfortable way to have Your meal. The menu costs FIM 52.- and a simple course FIM 45.- (the menu includes a soup, the main course and coffee). If You want to optimize Your costs, or don't want to eat too much for lunch, You can find other alternatives in the same restaurant or in cafés near by the meeting place.

Coffee breaks will be on the Finnish PTT.

Miscellaneous information and arrangements

Information about Helsinki and its surroundings is available at information desks. There, also addresses of the travelling agencies, car-ferry companies, etc. are provided.

If You have something to arrange concerning Your accommodation, travelling or anything about Your stay, don't hesitate to turn to the secretariate.

FRIDAY, 15th of March 1985

**SESSION 10: METHODOLOGIES**

(Session chm JR Rasmussen)

09.00-12.00

- Paper: **Design Methodology and Use of Hierarchical Interaction Diagrams in SDL**
T Rupnik, SIEMENS, FRG
- Paper: **A System Design Methodology Based on SDL**
C Hugueney TELEBRAS, BRAZIL
- Paper: **SOM/SDL Oriented Methodology**
R Braek, ELAB, NORWAY
- Paper: **DEFAX - a Method Supporting SDL**
S-E Jonsson, LM ERICSSON, SWEDEN

SESSION 11: PROOF

(Session chm JRW Smith)

13.30-15.30

- Paper: **Analysis of SDL Specifications Using Petri Nets Techniques**
G Comparin et al., ITALTEL SIT, ITALY
- Paper: **Verifying SDL Specifications with Petri Nets**
R Kujansuu et al., UNIV. OF TECHNOLOGY, FINLAND
- Paper: **A Prolog System for the Verification of SDL Processes Against Temporal Logic Specifications**
P G Bosco et al., CSELT, ITALY
- Paper: **A Method and Tool for the Validation of SDL Diagrams**
E Rudolph, SIEMENS, FRG

CLOSING SESSION

(Session chm R Saracco)

15.45-16.45

Subject: "Future Work on SDL in CCITT"

16.45

Closing of the Second SDL Users' and Implementors Forum in Helsinki; 11.-15.3.1985

SESSION CHAIRMEN

SESSION	SUBJECT	CHAIRMAN
Opening session		
1 Monday (a.m.)	Users' reports	Hannu Tuomisaari, Finnish PTT, Finland
2 Monday (p.m.)	Tools: Documentation support	Ferenc Belina, Telelogic AB, Sweden
3 Tuesday (a.m.)	User's reports (continued)	Hannu Tuomisaari, Finnish PTT, Finland
Tuesday (noon)	Discussion 1	Roberto Saracco, CSELT, Italy
4 Tuesday (p.m.)	Tools: Design support	Ferenc Belina, Telelogic Ab, Sweden
5 Wednesday (a.m.)	Abstract data	Mario Modesti, SIP D.G, Italy
Wednesday (noon)	Discussion 2	Anders Rockström, STA, Sweden
6 Wednesday (p.m.)	Tools: Others	Ferenc Belina, Telelogic AB, Sweden
7 Thursday (a.m.)	Languages	Harald Johansen, NTA, Norway
8 Thursday (p.m.)	Tools: Others (continued)	Ferenc Belina, Telelogic Ab, Sweden
9 Thursday (p.m.)	SDL toward implementation	Rick Reed, GEC, UK
10 Friday (a.m.)	Methodologies	Jens R Rasmussen, Danish PTT, Denmark
11 Friday (p.m.)	Proof	John RW Smith, Plessey, UK
Friday (p.m.)	Closing session	Roberto Saracco, CSELT, Italy

FRIDAY, 8th of March 1985

**TUTORIAL: INTRODUCTION TO SDL**

09.00

Location: Technical Research Centre of Finland (VTT),
main building
Vuorimiehentie 5
Otaniemi, ESPOO

Transportation:

Coaches leave PTT Main building (entrance B)
at 08.30 am,
or
buses from the bus station:
line numbers 102, 192 **platform 51**
line numbers 194, 195 (plain, K or P) (eg. 194,
195K or plain 195) **platform 50**
Get off the bus at Technical University library
in **OTANIEMI**. Duration of the journey 20 min
to half an hour
taxi costs 60 to 80 FIM

THURSDAY, 14th of March 1985

**SESSION 7: LANGUAGES** (Session chm H Johansen)

09.00-12.00

- Paper: **Service Addition Language for Communication Software**
Haruhisa Ichikawa, NTT, JAPAN
- Paper: **A CSDL Programming Language in SDL Environment**
R Jelinski, UNIVERSITY OF GDANSK, POLAND
- Paper: **MINI-SYD and its Relation to Petri Nets and SDL**
Eberhard W. Vogel, Swiss PTT, SWITZERLAND
- Paper: **Formal Language Definition**
Geir Hasnes, NORWAY
- Paper: **Evaluation of SDL**
Ferenc Belina, TELELOGIC, SWEDEN

SESSION 8: TOOLS: Others (Session chm F Belina)

- Paper: **Lessons Learned in the Search of SDL Tools**
Ove Forgemand, Anders Olsen, TFL, DENMARK

SESSION 9: SDL TOWARD IMPLEMENTATION
(Session chm R Reed)

13.30-15.45

- Paper: **The Use of Artificial Intelligence in the Transformation from SDL to CHILL**
O Ghisio, S Barra, CSELT, ITALY
- Paper: **Mapping of SDL Abstract Data Type in CHILL**
Mario Modesti, SIP, ITALY
- Paper: **MELBA Evolution**
AUSTRALIA

DEMONSTRATIONS

16.15-18.15

The demonstrations are preferably related to the topic of the TOOLS session of the same day. The final allocation of demonstrations is accomplished according to the success of the preparations.

WEDNESDAY, 13th of March 1985

**SESSION 5: ABSTRACT DATA** (Session chm M Modesti)

09.00-10.45

- Paper: **Rigorous Definitions of Integer and Real Data Types in SDL**
J R W Smith, PLESSEY, UK
- Paper: **Use of Abstract Data Types in SDL, META IV and CCS**
Rick Reed
GEC TELECOMMUNICATIONS Ltd, UK
- Paper: **Abstract Data Types, Example of Use**
AUSTRALIA

DISCUSSION 2 (Session chm A Rockström)

10.45-12.00

- Subject: **"How to Exchange Products and Experiences Within the SDL User Community?"**

SESSION 6: TOOLS: Others (Session chm F Belina)

13.30-15.45

- Paper: **SILL, a tool for Translation from SOM/SDL to CHILL with Extensive High Level Test and Debug Facilities**
H Rustad, ELAB, NORWAY
- Paper: **An SDL Oriented Environment for SPC Systems Software Development**
R Moretti et al., CSELT, ITALY
- Paper: **SDL Language as a Tool for Performance Evaluation**
M. Dabrowski, J. Lubacz, M. Sredniawa
TECHNICAL UNIVERSITY OF WARSAW, POLAND
- Paper: **Telecommunications Software Development Environment Based on SDL**
Hiroshi Fujimoto, FUJITSU Ltd, JAPAN

DEMONSTRATIONS

16.15-18.15

The demonstrations are preferably related to the topic of the TOOLS session of the same day. The final allocation of demonstrations is accomplished according to the success of the preparations.

SUNDAY, 10th of March 1985

**RECEPTION OF PARTICIPANTS****Arranged by the Helsinki Telephone Company**

Location: Hotel Presidentti, Cabinet "II SDL FORUM"
E. Rautatiekatu 4
00100 Helsinki Tel. +358 0 6911

Time: 06.00 p.m.

Programme:

Welcoming adress of
the Helsinki Telephone Company

The occasion is informal in nature. However, in order to achieve one of the goals of the II SDL Forum; that is, to compile an extensive list of SDL users and the fields of applications, participation in the reception is highly recommended, and a brief overview on Your administration's or company's SDL activities is welcomed!

8 MONDAY, 11th of March 1985



OPENING SESSION

09.00-09.30

Welcoming address:

the Finnish PTT

Practical arrangements:

Hannu Tuomisaari, the Finnish PTT, secretary for the Second SDL Forum Organizing Committee

Forum Chairman's address:

Roberto Saracco, CSELT, Italy, and the chairman of the SDL working party in Study Group X of CCITT, for the study period 1985-1988

SESSION 1: USERS' REPORTS

(Session chm H Tuomisaari)

09.30-12.00

Paper: **Complexity in the SDL Graph Description and Its Impact on Different Handling Activities**
C Vrana, TELELOGIC, SWEDEN

Paper: **Trópico Switching System Documentation Based on SDL**
Joseph Haim, TELEBRAS, BRAZIL

Paper: **Use of SDL within the Australian Telecom**
AUSTRALIA

Paper: **User Report from SEL**
FRG

SESSION 2: TOOLS: Documentation support

(Session chm F Belina)

13.30-15.45

Paper: **SDL-tool**
Batista Jr. Joinville, TELEBRAS, BRAZIL

Paper: **EGS Evolution to Support full SDL**
Enzo Gassino, CSELT, ITALY

Paper: **A Compiler for Translating SDL/PR Documents to SDL/GR**
O Taipale, TELENOKIA, FINLAND

Paper: **Tools for SDL within CSIRO and Telecom Australia**
AUSTRALIA

DEMONSTRATIONS

16.15-18.15

The demonstrations are preferably related to the topic of the TOOLS session of the same day. The final allocation of demonstrations is accomplished according to the success of the preparations.

9

TUESDAY, 12th of March 1985



SESSION 3: USERS' REPORTS

(Session chm H Tuomisaari)

09.00-10.45

Paper: **Experiences in the Application of CCITT SDL to OSI Protocols specification**
V D'Agostino et al., CSELT, ITALY

Paper: **Implementation of CCITT No. 7 in AXE Using the DEFAX Method**
LM Ericsson, SWEDEN

Paper: **The Use of SDL Abstract Data Types**
Roberto Saracco, CSELT, ITALY

DISCUSSION 1

(Session chm R Saracco)

10.45-12.00

Subject: **"SDL: An Effective Standard, or a Collection of Dialects?"**

SESSION 4: TOOLS: Design Support

(Session chm F Belina)

13.30-15.45

Paper: **DASOM - An Advanced Computer Aided Tool Supporting an SDL Oriented Methodology**
Eirik Vefsnmo, A.S. COMPUTAS, NORWAY

Paper: **Experience with a protocol specification and verification system**
R.A. Beukers, DELFT UNIVERSITY DEPT EE, NETHERLANDS

Paper: **An SDL Support Environment, SX1-CADOS**
R Tinker
BRITISH TELECOMMUNICATIONS PLC, UK

Paper: **SDT, a System Specification and Desing Tool**
TELELOGIC, SWEDEN

DEMONSTRATIONS

16.15-18.15

The demonstrations are preferably related to the topic of the TOOLS session of the same day. The final allocation of demonstrations is accomplished according to the success of the preparations.

FORUM BANQUET

20.30 The Second SDL Forum Banquet will be held at Kulosaaren Casino restaurant.
Please feel free to bring Your Avec with You!
Transportation is arranged from Hotels Presidentti and Helka at 20.00.