

Fourth ST Workshop

Chamonix

30 January - 2 February 2001

Organisation Committee

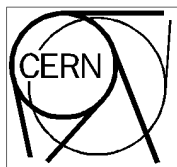
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**ORGANISATION EUROPEENNE POUR LA RECHERCHE NUCLEAIRE
EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH**

Laboratoire Européen pour la Physique des Particules
European Laboratory for Particle Physics

CERN - ST DIVISION

PROCEEDINGS OF THE FOURTH ST WORKSHOP

Chamonix, January 30 - February 2, 2001

**Edited by
Grzegorz Kowalik
and
Sylvie Prodon**

Geneva, Switzerland

February, 2001

*The workshop was motivated by the wish of ST management
to improve several key issues of the ST Division:
communication and information,
the services provided to the CERN community,
the image of the Division and confidence of its staff,
and the best global integration of our newly recruited engineers.*

ORGANISATION COMMITTEE

President	Grzegorz Kowalik
Secretary	Sylvie Prodon
Logistics	Alain Dagan
Support	Christophe Martel & Carlos Gascon

14:00 Bus Departure CERN - Chamonix (Building 54 - Parking "Platanes")

16:30 *Welcome Apéro*

Tuesday Evening 30.01.2001	16:55	Introduction		A. Scaramelli	
	17:00 - 18:15	Session 1 SITE MANAGEMENT	P. Chevret	P. Pepinster J. Garcin C. Colloca A. Funken J. Lindroos / G. Peon	Contribution de la consolidation au maintien du patrimoine Le patrimoine et ses outils de gestion Matériaux et produits de substitution de l'amiante ... a New Electrical Supply of the Computer Centre for LHC ... Air-conditioning ... the Computer Centre for the LHC Era
	<i>Coffee break</i>				
	18:30 - 20:15	Session 2 SUPPORT TO ACCELERATORS	J. Inigo-Golfin	J. Kuhl-Kinell D. Gasser D. Blanc S. Poulsen M. Delidais / A. Vairo R. Martini E. Cennini / T. Riesco	Consolidation des installations ST/CV du complexe PS Target Cooling for the TOF Experiment Web-Based distributed System...Cooling Plant Monitoring Electrical Network Supervisor Status Report BE 400/18 kV Substation Renovation Project Managing Monitoring Information Changes in the TCR Linux in Industrial Control Systems

Poster Session all day			M. Poehler S. Deval B. Pirollet Bartolome/Havart/Scibile/Grau G. Burdet K. Kahle	Dimensionnement des ouvrages ... au calcul sismique Décentralisation de l'eau chaude sanitaire au CERN ? Remplacement des composés fluorocarbones (CFC) ... Achieving a "SIL1" TCR Monitoring System Regulation System for the 18 kv/90 Mvar Compensators Progress Report: Static Var Compensator Project ...
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20:30 *Supper*

08:00 *Breakfast*

Wednesday Morning 31.01.2001	08:30 - 10:00	Session 3.1 LHC & EXPERIMENTAL AREAS 1	J.L. Baldy	J.L. Baldy P. Faugeras M. Nonis J. Pedersen	Introductory Talk LHC Progress Report & Perspectives Construction Progress of the Cooling & Ventilation ... Progress of the Electrical Installation Work for LHC
	<i>Coffee break</i>				
	10:20 - 12:05	Session 3.1 LHC & EXPERIMENTAL AREAS 1	J.L. Baldy	J. Osborne T. Watson C. Martel J. Inigo-Golfin / G. Peon K. Skelton / K. Foraz H. Rammer Morodo / Jena / Body	Civil Engineering Dispute Resolution ... Target Cost Mechanism ... Civil Engineering Contracts Traitement d'air du tunnel LHC ... Operation of Cooling Towers with Variable Speed Fans ST LHC Budget Follow-up LEP Tunnel Movements...caused by LHC Civil Engineering Control System Implementation ...within CV Contracts ...

12:15 *Lunch*
Enjoy CHAMONIX

16:30 *Coffee break*

Wednesday Evening 31.01.2001	17:00 - 18:30	Session 3.2 LHC & EXPERIMENTAL AREAS 2	M. Wilhelmsson	V. Vuillemin M. Price / M. Hatch A. Hervé W. Klemp / L. Leistam	Joint Cooling and Ventilation Project (JCOV) ATLAS and the ST Division CMS and the ST Division ALICE and the ST Division
	<i>Coffee break</i>				
	18:50 - 20:20	Session 3.2 LHC & EXPERIMENTAL AREAS 2	M. Wilhelmsson	R. Principe E. Vigo Castellvi R. Nunes J.C. Guillaume T. Pettersson	ST Support for LHC Experiments Study of the Ventilation at ATLAS Cavern UX15... Fire and Gas Detection in the LHC Experiments ... Câblage des Expériences LHC CAD and Engineering Data Management -our Vision

Poster Session all day			G. Roche / C. Bertone S. Akhtar R. Lassausaie M. Delidais L. Annala	Ponts roulants du LHC - Lot 3 Powering the Transfer Lines TI2 and TI8 Avancement des travaux électriques LHC point 5 Avancement des travaux électriques LHC point 1 Non-destructive Testing of Pipelines
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08:00 <i>Breakfast</i>					
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	10:20 - 12:15	Session 4.1 ST PROBLEMS & SOLUTIONS 1	P. Ciriani	G. Kowalik B. Jenssen Bätz / Cumer / Principe P. Faugas I. Bejar Alonso	... Operation and Maintenance Contract for Electrical ... Analyse of Maintenance Cost in ST TCR Operation Report Manufacturing and Test Folder (MTF) Quality Approach and Implementation in ST
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Thursday Evening 01.02.2001	17:00 - 18:30	Session 4.2 ST PROBLEMS & SOLUTIONS 2	C. Jacot	C. Gascon L. Symons R. Messerli E. Sanchez-Corral Epting/Morodo/Sollander F. Balda	Plan Assurance Qualité for an Installation Contract To BE or not B2B Utilisation logiciels d'Ingenierie Assistee par Ordinateur ... Software Support for industrial Controls Contract Is the CERN Recommended SCADA useable for ST ... Risk Analysis: An Approach for Safety-Related Projects ...
	<i>Coffee break</i>				
	18:50 - 20:35	Session 4.2 ST PROBLEMS & SOLUTIONS 2	C. Jacot	C. Jacot M. Bätz Scibile / Ninin / Grau D. Hay L. Henry A. Charkiewicz	ST Safety: What's on? Engineering Process Monitoring for Control Room ... Functional Safety: a Total Quality Approach Gas Detection for Experiments Divisions - ST : Formation Recruitment in ST Division (1998-2000)
Poster Session all day				Grau/Scibile/Balda/Chouvelon A. Dagan A. Alvarez	... Risk Management for Control and Monitoring Systems Le parc véhicules légers du CERN "La satisfaction du client" - L' orientation future de la TCR
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Friday Morning 02.02.2001	08:30 09:00 09:30 10:00	Session 5 PHYSICS & NEW PROJECTS	A. Scaramelli	K. Elsener J. P. Delahaye G. Rolandi M. Macri	CNGS - CERN neutrinos to Gran Sasso R & D for possible future Projects ... for the post-LHC Era LEP Physics Antimatter: from its Discovery to Today Understanding
	<i>Coffee break</i>				
	10:30 11:00	Session 5 PHYSICS & NEW PROJECTS	A. Scaramelli	C. Jarlskog	LEP to LHC Physics
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Friday Afternoon 02.02.2001	14:30 15:30	Session 6 CONCLUSION & ST FORUM		A. Scaramelli	Conclusion ST Forum
	16:30 End of Workshop				
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Alberto Scaramelli (ST)

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Bertone Caterina, ST/HM
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Henny Louis, ST/DI
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Lindroos Jukka, ST/CV
Macri Mario, EP/LR
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Martini Robin, ST/MO
May Juergen, DG
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Morodo Testa Maria Carmen, ST/CV
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Nunes Rui, ST/AA
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Poulsen Soren, ST/EL
Price Mike, EP/ATO
Principe Rosario, ST/CV
Prodon Sylvie, ST/DI
Proudlock Paul, AC/TCP
Rammer Hubert, ST/CE
Riesco Tono / ST/AA
Robin Georges, SL/OP
Roche Gilles, ST/HM
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