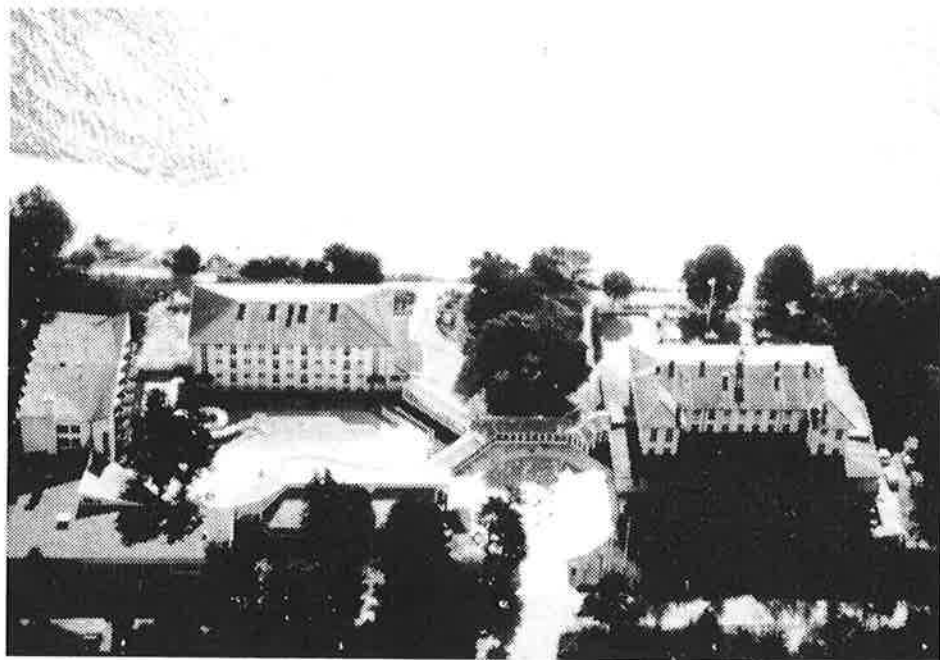


# 1991 CERN SCHOOL OF COMPUTING



Ystads Saltsjöbad Hotel, Ystad, Sweden  
23 August–2 September 1991

**1991 CERN SCHOOL OF COMPUTING**

**Ystad, Sweden**

**23 August to 2 September 1991**

Friday 23 August		Saturday 24 August	Sunday 25 August	Monday 26 August	Tuesday 27 August	Wednesday 28 August
<b>ARRIVAL</b>	09.00 - 10.00	<b>R. Penrose</b> Limits of artificial intelligence	<b>C.N.P. Gee (1)</b> What have we learned from LEP and HERA?	<b>C.N.P. Gee (2)</b> What have we learned from LEP and HERA?	<b>T. Nash (1)</b> High-level triggers and the case for advanced software 'engineering' in HEP	<b>ALL-DAY EXCURSION</b>
	10.00 - 11.00	<b>G. Flügge</b> Physics at the LHC	<b>L. Mapelli (1)</b> Experiments at future colliders: the first 10 $\mu$ s	<b>L. Mapelli (2)</b> Experiments at future colliders: the first 10 $\mu$ s	<b>D. Parkinson (1)</b> SIMD computers: Architectures and algorithms	
	11.30 - 12.30	<b>J.R. Hansen (1)</b> The physics at the LHC and its impact on the experiments	<b>J.R. Hansen (2)</b> The physics at the LHC and its impact on the experiments	<b>K.-H. Becks (1)</b> Artificial intelligence in particle physics	<b>K.-H. Becks (2)</b> Artificial intelligence in particle physics	
	16.30 - 17.30	<b>C. Peterson (1)</b> Neural networks and high-energy physics	<b>C. Peterson (3)</b> Neural networks and high-energy physics	<b>T. Rögnvaldsson (2)</b> Tutorial on neural networks	<b>T. Sjöstrand (1)</b> Monte Carlo event generation	
	17.30 - 18.30	<b>C. Peterson (2)</b> Neural networks and high-energy physics	<b>T. Rögnvaldsson (1)</b> Tutorial on neural networks	<b>T. Rögnvaldsson (3)</b> Tutorial on neural networks	<b>D. Kemp (1)</b> Basics of real-time operating systems	
		<b>R. Penrose</b> The arrow of time (evening lecture)				

	Thursday 29 August	Friday 30 August	Saturday 31 August	Sunday 1 September	Monday 2 September
09.00 - 10.00	<b>T. Nash (2)</b> High-level triggers and the case for advanced software 'engineering' in HEP	<b>P.F. Kunz (1)</b> Object-oriented programming	<b>P.F. Kunz (2)</b> Object-oriented programming	<b>P.F. Kunz (3)</b> Object-oriented programming	<b>DEPARTURE</b>
10.00 - 11.00	<b>D. Parkinson (2)</b> SIMD computers: Architectures and algorithms	<b>D. Parkinson (3)</b> SIMD computers: Architectures and algorithms	<b>R.D. Russell (1)</b> A portable, uniform interface to real-time operating systems	<b>R.D. Russell (3)</b> A portable, uniform interface to real-time operating systems	
11.30 - 12.30	<b>K.-H. Becks (3)</b> Artificial intelligence in particle physics	<b>R. Shepherd (1)</b> The next-generation transputers and beyond	<b>R. Shepherd (2)</b> The next-generation transputers and beyond	<b>R. Shepherd (3)</b> The next-generation transputers and beyond	
16.30 - 17.30	<b>T. Sjöstrand (2)</b> Monte Carlo event generation	<b>G.S. Rao (1)</b> High-performance RISC, CISC and VLIW processors	<b>G.S. Rao (2)</b> High-performance RISC, CISC and VLIW processors	<b>G.S. Rao (3)</b> High-performance RISC, CISC and VLIW processors	
17.30 - 18.30	<b>D. Kemp (2)</b> Basics of real-time operating systems	<b>D. Kemp (3)</b> Basics of real-time operating systems	<b>R.D. Russell (2)</b> A portable, uniform interface to real-time operating systems		

## ADVISORY COMMITTEE

- |                                |   |
|--------------------------------|---|
| T. Åkesson                     | Lund University<br>Dept. of Physics<br>Sölvegatan 14A<br>S-223 62 LUND<br>Sweden                  |
| R. Brun                        | CERN<br>CH-1211 GENEVA 23<br>Switzerland  |
| B.C. Carpenter                 | CERN<br>CH-1211 GENEVA 23<br>Switzerland  |
| R.F. Churchhouse<br>(Chairman) | Dept. of Computing Mathematics<br>University of Wales<br>P.O. Box 916<br>CARDIFF, CF2 4YN<br>U.K. |
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| L. Joensson                    | Lund University<br>Dept. of Physics<br>Sölvegatan 14A<br>S-223 62 LUND<br>Sweden                  |
| C. Peterson                    | Lund University<br>Dept. of Theoretical Physics<br>Sölvegatan 14A<br>S-223 62 LUND<br>Sweden      |
| J.J. Thresher                  | CERN<br>CH-1211 GENEVA 23<br>Switzerland  |
| A. van Dam                     | Brown University<br>Dept. of Computer Science<br>Box 1910<br>PROVIDENCE, R.I. 02912<br>U.S.A.     |

List of participants

Acceptance/Refusal

- |                        |                         |                                |
|------------------------|-------------------------|--------------------------------|
| ✓ A. Aimar             | ✓ B. Hoffmann           | ✓ A.C. Pardo Torres            |
| ✓ C. Alippi            | ✓ F. Hoffmann           | ✓ A. Perus                     |
| ✓ M. Ballintijn        | ✓ H. Ihssen             | ✓ J.H. Peters                  |
| ✓ P. Baltes            | ✓ M. Jochym             | ✓ R. Pietrak                   |
| ✓ R. Barillere         | ✓ C. Joos               | ✓ J.B. Purvis                  |
| ✓ F. Block             | D. Joyce - no 2.7.91    | ✓ S. Ravndal                   |
| ✓ B.P. Brandl          | K.-H. Karch - no 2.7.91 | ✓ F. Riccardi                  |
| ✓ M. Colombo           | ✓ E. Karvelas           | ✓ T. Rovelli                   |
| ✓ D. Coltuc            | ✓ P. Kubinec            | ✓ C. Saenz Gamasa              |
| ✓ S. Deniziak          | A. Kupsc - no 26.6.91   | ✓ E. Schäfer                   |
| ✓ M. Dönszelmann       | ✓ J. Kyriakopoulos      | ✓ T. Schwab                    |
| ✓ A. Engelhardt        | ✓ G. Levi               | ✓ A. Sharma ✓ D. Skrimmer      |
| ✓ H. Essel             | ✓ T. Lindén             | ✓ L. Smolik                    |
| ✓ M.R. Fausey          | ✓ H. Lohmander          | ✓ J.B. Stav                    |
| ✓ M. Feuerstack        | ✓ G. Mæhlum             | ✓ G. Stavropoulos - no 10.7.91 |
| ✓ K. Furnival          | ✓ J. Mainusch           | ✓ F. Sticozzi                  |
| R. Gastaud - no 2.7.91 | ✓ M. Marino             | ✓ G. Tomasicchio               |
| ✓ H. Göringer          | ✓ J. Masarik            | ✓ H.J. Torgersen               |
| ✓ J.-J. Gras           | ✓ J. Meyer              | ✓ E. Trasatti                  |
| M. Gruszka - no 8.7.91 | ✓ P. Morettini          | ✓ E. Veitch                    |
| ✓ C. Guichenev         | ✓ A.H. Müller           | ✓ L. Vermeersch                |
| ✓ P. Hagen             | ✓ T. Odegaard           | ✓ S.M. Walther                 |
| ✓ S.J. Haywood         | ✓ S. Ohlsson            | J. Weber                       |
| ✓ H. Heukenkamp        | ✓ T. Ostrowski          | ✓ J. Wroldsen                  |
| ✓ J. Hilgart           | ✓ S.U. Pandey           | ✓ G.B. Xexeo                   |

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| ✓ B.P. Brandl          | K.-H. Karch - no 2.7.91 | ✓ F. Riccardi                  |
| ✓ M. Colombo           | ✓ E. Karvelas           | ✓ T. Rovelli                   |
| ✓ D. Coltuc            | ✓ P. Kubinec            | ✓ C. Saenz Gamasa              |
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| ✓ M. Dönszelmann       | ✓ J. Kyriakopoulos      | ✓ T. Schwab                    |
| ✓ A. Engelhardt        | ✓ G. Levi               | ✓ A. Sharma ✓ D. Skrimmer      |
| ✓ H. Essel             | ✓ T. Lindén             | ✓ L. Smolik                    |
| ✓ M.R. Fausey          | ✓ H. Lohmander          | ✓ J.B. Stav                    |
| ✓ M. Feuerstack        | ✓ G. Mæhlum             | ✓ G. Stavropoulos - no 10.7.91 |
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| ✓ J. Hilgart           | ✓ S.U. Pandey           | ✓ G.B. Xexeo                   |

Outline

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