### Section 1 - Overview Papers

<table>
<thead>
<tr>
<th>Paper No.</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
</table>

### Section 2 - Plant and Safety Considerations

<table>
<thead>
<tr>
<th>Paper No.</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.</td>
<td>Safety: A Fundamental Aspect of Spray Deposition of Reactive Metals</td>
<td>L. Ackermann; M. Courbiere; J.F. Faure; P. Vidal</td>
</tr>
<tr>
<td>7.</td>
<td>Environmental Aspects of Spray Deposition Plants for Aluminium</td>
<td>E. Rollin; R. Fuchs; H.P. Dorken</td>
</tr>
<tr>
<td>8.</td>
<td>Preparation and Recycling of Overspray and Residues Arising in Spray Deposition Plants</td>
<td>J. Kruger; T. Probst; R. Fuchs</td>
</tr>
<tr>
<td>9.</td>
<td>The Production and Supply of Gases for Spray Deposition</td>
<td>C. Moore</td>
</tr>
</tbody>
</table>

### Section 3 - Aluminium Alloys

<table>
<thead>
<tr>
<th>Paper No.</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.</td>
<td>The Development of Aluminium-Lithium Based Alloys and MMCs by Spray Casting</td>
<td>J. White; I.R. Hughes; T.C. Willis; I.G. Palmer; A.J. Owen; C.A. Stanford-Beale</td>
</tr>
<tr>
<td>12.</td>
<td>Influence of Operating Variables on Characteristics of Aluminium Powders and Spray-Cast Deposits.</td>
<td>F. Akhlaghi; J. Beech; H. Jones</td>
</tr>
<tr>
<td>13.</td>
<td>Mechanical and Fatigue Properties of an Experimental 8090 Matrix, SiC Reinforced MMA Materials Produced by the ‘Osprey’ Process.</td>
<td>C.J. Beevers; P. Pitcher; M.D. Wright</td>
</tr>
<tr>
<td>14.</td>
<td>Thixoforming Spray-Formed Metal Matrix Composites</td>
<td>A.R.A. McLelland; H.V. Atkinson; P. Kapranos; D.H. Kirkwood</td>
</tr>
<tr>
<td>15.</td>
<td>Manufacture of Spray Formed A1 Based Alloys and Composites</td>
<td>P.P. Maher; P.S. Grant; B. Cantor; L. Katgerman</td>
</tr>
<tr>
<td>16.</td>
<td>Prediction of High-Temperature Aluminium Alloys</td>
<td>F. Hehmann; P. Tsakiropoulos</td>
</tr>
</tbody>
</table>
Section 4 - Copper Alloys

17. Production and Development of Copper-Base Alloys by the Osprey Process  
R.H. Cookey; J.V. Wood

18. Some examples of Spray Forming applied to Copper Alloys  
D.G. Morris; E. Batawi; C. Biselli; P. Isler

19. Thermol and Microstructural Characterisation of Spray Cast Copper Alloy Strip  
W.G. Watson

Section 5 - Nickel Alloys

20. Ni$_3$A1-X Intermetallics Produced by the Osprey Process  
L.Z. Zhuang; I. Majewska-Glabus; R. Vetter; J. Duszczyk

21. Properties of Superalloys Spray Formed  
M.G. Benz; T.F. Sawyer  
Flow Rates of less than 20cm$^3$/s  
F.W. Clark; P.L. Dupree

Section 6 - Steels and Cast Iron

22. Properties of High Speed Steels made by Spray Forming  
T. Kirby; M. Igharo; J.V. Wood; R. Pratt

23. Properties of the Spray Formed High Speed Steel Grade S11-2-5-8  
B. Hribernik; H.P. Fauland  
G. Hackl; B. Kriszt

F. Guglielmi; G. Bevolo

S. Ebalard; M. Cohen

Section 7 - Products and Applications

26. Spray Deposition of single and double Layer Flat Products  
K. Wunnenberg; R. Flender  
W. Fix; R. Schneider

27. Experimental Production of Steel Armor Plate by Rapid Solidification Technique  
C. Sonnino; T. Ford  
V. Vanark

28. Spray forming of Steel Billets on an Industrial Scale.  
T. Andersen; J. Overgaard; K. Schwarz; E.W. Langer.

29. Steel/Ceramic MMCs Developed for Wear Resistant Applications.  
P.F. Chesney; R. Pratt

A. Hamabe; Y. Osaki  
S. Yamauchi

Section 8 - Fundamentals and Control

31. Particle Tracking of Solidifying Metal Droplets during Gas Atomisation.  
S. Rogers; L. Kalgermann

32. Fundamental Aspects of Consolidation and Microstructure Development during Spray Casting.  
S. Annavarapu; R.D. Doherty; D. Apelian; A. Lawley; P. Mathur

33. Process Control, Modelling and Applications on Spray Deposition of Tubes.  
M. Yaman; H. Widmark
34. Computer Generated Images Simulating the Spray Deposition Process.  
   M. Donnelly; J. Mol;

35. Melt Heat Extraction in the Spray forming of Strip. The SDL Experimental Strip Unit.  
   W.N. Jenkins; A.D. Roche

36. An Examination of the Flow Fields Inside a Deposition Chamber.  
   J.O. Medwell; A. Wismakumara

   D.T. Gethin; J.O. Medwell
   N. Muhamad.

38. A Fuzzy Logic Controller for the Spray Forming Process  
   A.L. Moran; C.J. Madden
   M. Allen Matteson, Jr.,
   P. Kelley; D.R. White;
   B.A. Cleveland

39. Swiss Association for Materials Technology  
   Spray Deposition Group