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|--------|----------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------|
| III-13 | State forecasts on<br>the seas (ERS-1<br>remote sensing) | GUILLAUME<br>Météo<br>Nationale<br>(Paris) | National Water<br>Res. Institute<br>(Burlington<br>Ontario) |
|--------|----------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------|

IV HIGH LATITUDE TECHNOLOGIES

|      |                                                       |                                                |                                                           |
|------|-------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------|
| IV-1 | Design of ice-<br>breakers and<br>platforms           | DUVAL<br>LGGE<br>(Grenoble)                    | JONES<br>NRC Inst.<br>Marin. Dyn.<br>(St. John's, Nfld.)  |
| IV-2 | PIGS: ice-structure<br>interactions                   | DUVAL<br>LGGE<br>(Grenoble)                    | JONES<br>CNRS Inst.<br>Mar. Dyn.<br>(St. John's, Nfld.)   |
| IV-3 | Drum centrifuge<br>for ice studies                    | CORTE<br>LCPC<br>(Nantes)                      | SHIELD<br>Univ. Manitoba<br>(Winnipeg)                    |
| IV-4 | The behaviour<br>of frozen soils                      | BAGUELIN<br>LCPC<br>(Nantes)                   | SHIELDS<br>Univ. Manitoba<br>(Winnipeg)                   |
| IV-5 | Behaviour of<br>buried conduits                       | FREMOND<br>LCPC/CNRS<br>(Nantes)               | WILLIAMS<br>Carleton U.<br>(Ottawa)                       |
| IV-6 | Steels in arctic<br>waters                            | BIGNONNET<br>IRSID<br>(St-Germain-<br>en-Laye) | WHITE<br>CANMET<br>(Ottawa)                               |
| IV-7 | Evaluation of<br>forces exerted<br>by an iceberg      | DUVAL<br>LGGE<br>(Grenoble)/<br>TAAF           | NADREAU<br>Ice Mechanics<br>C-CORE<br>(St. John's, Nfld.) |
| IV-8 | Protection of run-<br>way surfaces in<br>cold regions | BONNOT<br>LCPC/TAAF                            | JARRET<br>Royal Military<br>College<br>(Kingston, Ont.)   |
| IV-9 | Modelling frozen<br>soils                             | FREMOND<br>LCPC<br>(Paris)                     | JUDGE<br>Geol. Survey<br>(Ottawa)                         |