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| <b>Name:</b>                                                         | <b>Frédéric Sirois</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Affiliation:</b>                                                  | Laboratory of Superconductivity and Magnetism (LSM)<br>Polytechnique Montréal, QC, Canada                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Position:</b>                                                     | Professor, Polytechnique Montréal, 2005 to present                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Auxiliary positions:</b>                                          | Invited Professor/Researcher at:<br>→ KIT, Germany (2012, 2015-2016)<br>→ EPFL, Switzerland (2013)<br>→ Lawrence Berkeley National Lab., CA, U.S.A. (2022)<br>→ Institute Néel, Grenoble, France (2023)                                                                                                                                                                                                                                                                                                  |
| <b>Previous Positions:</b>                                           | Researcher, Research Institute of Hydro-Québec, Canada<br>(1998-2005)                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Education:</b>                                                    | Ph.D., Polytechnique Montréal, 2002                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Research Interests/<br/>Areas of Expertise:</b>                   | Specialized numerical methods for superconductor modeling,<br>Current Flow Diverter (CFD) tapes, NZPV measurements,<br>Quench dynamics in HTS tapes and cables, HTS magnets and<br>fault current limiters, Computational electromagnetics                                                                                                                                                                                                                                                                |
| <b>Publications:</b>                                                 | ~175 scientific papers, 1 edited book, 2 book chapters,<br>5 patents, numerous (>30) research reports.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Approximate Number of Years<br/>in Applied Superconductivity:</b> | 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Membership in Professional<br/>Societies:</b>                     | IEEE (Senior Member), CAP (Canadian Association of<br>Physicists)                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Previous ASC Service:</b>                                         | Large-Scale Program Committee (ASC 2024 and 2026)<br>Session Chair during many ASC conferences (since 2012)<br>Technical Editor IEEE TAS special editions (at least 3 times)<br>Instructor, Short course on modeling (ASC 2010 and 2012)                                                                                                                                                                                                                                                                 |
| <b>Service to Related Conferences:</b>                               | Co-founder, HTS modelling workshop (10 editions since 2010)<br>Chair, 1st HTS modelling workshop, Lausanne (2010)<br>Program Committee, HTS modeling workshop (6 editions)<br>President, HTS modeling workgroup (2012-2016)<br>Webmaster, HTS modeling workgroup (2012-2015)<br>Member, HTS modeling workgroup committee (2024-2028)<br>Program Committee, EUCAS (2015 and 2027)<br>Technical Editor IEEE TAS special edition, EUCAS (2015)<br>Many other smaller events about applied superconductivity |
| <b>Honors and Awards:</b>                                            | 2010 Van Duzer Prize (best regular paper in IEEE TAS)<br>2025 Honoris Genius Award (startup innovation award)                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Others:</b>                                                       | 2022 Founder of Boreal Conductors Inc.<br>→ First Canadian company in Applied Superconductivity                                                                                                                                                                                                                                                                                                                                                                                                          |