FreeFem++ distributed solvers: status and future

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in this talk, I will showcase some examples from the FreeFem++ distribution to explain new features of the distributed solvers. The main advances are: 1) new parallel eigensolver based on SLEPc, 2) new interface with PETSc to handle coupled physics (e.g., Stokes equation + heat transfer), 3) support for periodic boundary conditions and many other small improvements.