INTEREST INTHE WORKSHOP					
Note: The following subsections are designed to aid the directors in determining the appropriateness of the course material for your intended purposes. Please take great care in answering these questions.					
Describe briefly your current computing and software development activities, and how you anticipate this workshop will impact your work.					
What specific skills do you wish to acquire or improve during this school?					

What broader impact to your work environment do you anticipate from participating at the workshop?

TECHNICAL SKILLS

Knowledge of Programming	-	_				
Fortran77 Fortran90/95 C C++ Python Tcl Perl Shell Script (Bash) Other:	good	fair			onal) ase specify)	
Knowledge of Linux/Unix Co	good	Interface fair		poor		
MPI OpenMP CUDA/OpenCL Pthreads/Intel TBB	outing/Program Developer	user		None		
Which Editor/Tool Do You U	_	• .			:	
Eclipse Emacs/XEmacs Gedit Kdevelop Netbeans Vi/Vim Visual Studio Other: Other:	frequently	someti	mes	never	onal) ase specify)	
Which Platform Do You Use	<u>Primarily</u> For	Your Com	-			
	Linux Cluster Linux Deskto Linux Laptop Windows Des Windows Lap Other:	op sktop			Ilti-Core or Mu	
Knowledge of Source Code Management Systems (CVS/Subversion/Git/Bazaar/Mercurial/RCS):						
Good	н 🗀 А	verage [)	Poor \Box	1	
(please specify which one you	are the most e	experience	d in, if at	all:)

Describe your previous experience with QE or other electronic structure software as user and as developer:							
Knowledge of DFT and GIPAW theory as implemented in QE i	n the followin	g areas:					
Quantum mechanics basics (Time independent	good	fair	poor				
Schroedinger equation for atoms and model potentials) perturbation theory, classical electromagnetism							
Solid state physics basics (Bloch theorem, Fourier transform, working with planewaves, reciprocal space etc)							
Pseudopotential approximation							
Functionals, functional derivatives, buildig the DFT Hamiltonian							
Self consistent solution of DFT Hamiltonian PAW theory and reconstruction of all-electron wfc. Nuclear magnetic resonance – intro level theory Electron spin resonance – intro level theory Linear response within DFT Ab initio NMR/EPR with all electron methods Ab initio NMR/EPR with pseudopotentials							
How much time can you dedicate to distance-learning materia	al of the works	shop?					
hours/week							