

All HPC and BD Survey participants indicated the general classification of computations for which they use IST-managed HPC by choosing one of the following:

Bioinformatics; Bioinformatics; Bioinformatics, text analysis; Biophysics; Computational biophysics; Computational chemistry; Computational physics and chemistry; Computational fluid dynamics; Computational PDE; Condensed matter physics; Electromagnetism, wave propagation; Granular science; Image forensics; Materials research; Monte Carlo; Neural networks, genetic algorithms; Software verification, static analysis; Statistical analysis; Steganalysis and image forensics; Transportation data analysis; OTHER (specify).

The table below lists all responses, along with each participant's NJIT status.

General class of computations	Position
Bioinformatics	Faculty, tenured
Bioinformatics	Faculty, tenure-track
Bioinformatics	Faculty, tenure-track
Bioinformatics	Postdoc
Bioinformatics	Student, Doctoral
Bioinformatics	Student, Doctoral
Bioinformatics	Student, Masters
Bioinformatics, text analysis	Faculty, tenured
Bioinformatics, text analysis	Student, Doctoral
Biophysics	Faculty, tenure-track
Computational biophysics	Faculty, tenure-track
Computational biophysics	Student, Doctoral
Computational biophysics	Student, Doctoral
Computational biophysics	Student, Doctoral
Computational biophysics	Student, Doctoral
Computational chemistry	Faculty, tenured
Computational chemistry	Postdoc
Computational chemistry	Postdoc
Computational chemistry	Student, Doctoral
Computational fluid dynamics	Faculty, tenured
Computational fluid dynamics	Faculty, tenured
Computational fluid dynamics	Faculty, tenured
Computational fluid dynamics	Faculty, tenure-track
Computational fluid dynamics	Student, Doctoral
Computational fluid dynamics	Student, Doctoral
Computational fluid dynamics	Staff, guest researcher
Computational PDE	Faculty, tenured
Computational PDE	Faculty, non-tenure-track
Computational PDE	Student, Doctoral
Computational physics and chemistry	Faculty, tenured
Computational physics and chemistry	Faculty, tenure-track
Computational physics and chemistry	Student, Doctoral
Computational physics and chemistry	Student, undergrad

General class of computations	Position
Condensed matter physics	Faculty, tenured
Condensed matter physics	Student, Doctoral
Granular science	Postdoc
Materials research	Student, Doctoral
Monte Carlo	Faculty, tenured
Monte Carlo	Student, Doctoral
Monte Carlo	Student, Doctoral
Neural networks, genetic algorithms	Faculty, tenure-track
Neural networks, genetic algorithms	Postdoc
Neural networks, genetic algorithms	Student, Doctoral
Neural networks, genetic algorithms	Student, Doctoral
Neural networks, genetic algorithms	Student, Doctoral
Neural networks, genetic algorithms	Student, Doctoral
Neural networks, genetic algorithms	Student, Doctoral
Neural networks, genetic algorithms	Student, Doctoral
Software verification, static analysis	Faculty, tenured
Statistical analysis	Faculty, tenured
Statistical analysis	Faculty, tenure-track
Statistical analysis	Student, Doctoral
OTHER: computational acoustics	Faculty, tenured
OTHER: computational algorithms	Faculty, tenured
OTHER: Image processing	Postdoc
OTHER: Monte Carlo, GROMACS and Multisphere Tmatrix Calculations	Student, Doctoral
OTHER: Clustering analysis and Data Mining	Student, Doctoral
OTHER: Cryptography	Student, Doctoral
OTHER: Data Science	Student, Masters
OTHER: Image Processing and 3d visualization	Staff, Research Associate