JOB OFFER

HPC & Infrastructure Coordinator

Cenaero, located in Gosselies (Belgium), is a private non-profit applied research center providing to companies involved in a technology innovation process numerical simulation methods and tools to invent and design more competitive products. Internationally recognized, in particular through its research partnership with Safran, Cenaero is mainly active in the aerospace (with an emphasis on turbomachinery), manufacturing, smart building & cities sectors.

Cenaero provides expertise and engineering services in multidisciplinary simulation, design and optimization in the fields of mechanics (fluid, structure, thermal and acoustics), manufacturing of metallic and composite structures as well as in analysis of in-service behavior of complex systems and life prediction.

Cenaero operates the Tier-1 Walloon supercomputing infrastructure with 14,000 computing cores (see tier1.cenaero.be for details). Cenaero will invest 10 M€ for the renewal of the infrastructure by the end of 2021.

In order to manage this activity, Cenaero is currently looking for a HPC & Infrastructure Coordinator (M/F). This permanent position is available immediately.

Position

Aim
Coordinate and continuously improve HPC services for Cenaero and interested parties

Behavioral Skills
- Curious and remain continuously informed of the HPC environment and its evolution as well as Cenaero activities
- Eager to cooperate within Cenaero
- Solution and business oriented
- Enjoy working in a complex environment with multiple partners and stakeholders
- Contribute to a good work spirit within his/her team

Responsibilities
- Coordinate the definition of the IT and computing infrastructure needs for Cenaero and interested parties and turn them into actual projects
- Coordinate and supervise different HPC services (hardware & software resources, training) to ensure that the best possible implementation is guaranteed
- Contribute to the technology watch in the HPC field
- Act as support to stimulate the interest of Regional companies in the HPC infrastructure
- Contribute to strategic decisions by carrying out HPC analyzes and forecasts for the management
- Coordinate and organize the various activities of his/her team according to priorities and skills
- Coach and develop co-workers skills, aptitudes and know-how

Functional Relations
The position reports to the General Manager.

Profile

- PhD in computer science / engineering or demonstrated equivalent experience
- Very good knowledge of Linux operating system and scripting

- Very good knowledge of programming language (C++, OpenMP, MPI, …) and libraries (LAPACK, MKL, ...)
- Very good knowledge of codes and algorithms porting, analysis and performance improvement on massively parallel computational infrastructures
- Very good knowledge of HPC/cloud computing models and standards
- Good knowledge of data analytics as well as networking protocols and standards
- Demonstrated experience in modern computing architectures
- Efficient written and verbal communication skills in French and English
- Very good managerial and organizational skills

Offer

Cenaero offers a position in growing and leading technological sectors, a direct relationship with their business actors and technical experts, a competitive salary package and a stimulating and dynamic work environment.

Application procedure

Interested candidates should send a cover letter, quoting the reference number of the offer (BE-JO-2021-008) and a resume to rh@cenaero.be.