

# The professional profile of PhD-holders

**Cheick Oumar DIARRA**

**R&D material science**

cheickoumard7@gmail.com

## Core business

### **PHASE 1** Evaluation

In the scope of my Ph.D. work, I regularly evaluate and synthesize what has been done in the field of my research, to situate my work I must know the strengths and the drawbacks of works carried out by others. It is also required when developing new methodologies to solve specific physics problems.

*Evaluates the value of various documents concerning his field of expertise.  
Is able to judge his own results in terms of both quality and added value.  
Is willing to expose ideas to a critical audience; takes others' opinions of his work into account.  
Is willing to evaluate the work of other contributors and provides reasoned, realistic judgments of others' work.*

## Personal and relational qualities

### **PHASE 1** Analysis, synthesis and critical thinking

Analysis, synthesis, and critical thinking are essential in any academic research activity.

*Analyzes his own findings and those of his peers.  
Is able to synthesize; expresses key ideas clearly.  
Can sort and rank information according to the goal.  
Pursues his reasoning and hypotheses free of dogmatism or ideological bias.  
Has the objectivity to consider various schools of thought; is able to modify his point of view.  
Demonstrates intellectual rigor.*

### **PHASE 1** Open-mindedness and creativity

*Demonstrates an ability to acquire knowledge; shows flexibility and open-mindedness. Engages in interdisciplinary activities.  
Possesses a constructive style of questioning and scientific doubt.  
Develops, takes ownership of and tests new ideas; is clever; seizes opportunities.  
Interacts with and seeks the collaboration of professionals of different cultures; knows how to accommodate cultural differences.*