IAESTE BELGIUM

WORK OFFER

Ref. No. BE-2019-021UGE

Employer Information

Employer: Sigasi
Kerkstraat 108

9050 Gentbrugge
Belgium

Website: www.sigasi.com

Location of placement: Gentbrugge, Belgium
Nearest airport: Brussels international airport
Working hours per week: 40.0
Working hours per day: 8.0

Number of employees: 9
Business or products: Software for hardware designer in the semiconductor industry

Student Required

General Discipline: 11-COMPUTER AND INFORMATION SCIENCES
14C-ELECTRICAL AND ELECTRONICS ENGINEERING

Completed years of study: 3

Field of Study: 11.0101-Computer and Information Sciences, General. 14.1001-Electrical and Electronics Engineering

Language required: English Excellent Or
Dutch Good

Required Knowledge and Experiences:

Java programming language

Other requirements:

Student status obligatory: please include a Certificate of Enrolment with your nomination.
If trainee has non-EEA/Swiss nationality: maximum duration is 90 days.

Work Offered

Sigasi Studio is an IDE for digital design in Verilog or VHDL. It provides the digital designer with all the facilities that are typically reserved for software developers such as syntax checking, navigation, project management, refactoring, autocompletion ...

One of the additional features that Sigasi Studio also provides is the generation of documentation to accompany your digital designs. Sigasi Studio analyses the structure of VHDL- and Verilog-projects and generates documentation for all the components found based on the properties of all the components found in the projects and also based on the comment sections accompanying those components in the Verilog/VHDL source.

Currently, Sigasi Studio creates documentation through the use of DocBook. The end result is PDF. We are running into the limitations of this approach. In particular, we're finding it hard to generate documentation with a decent layout using this approach.

For this internship, we would like you to replace this DocBook flow with a flow that generates HTML. We believe that generating HTML will benefit the users of Sigasi Studio because the documentation can be laid out more elegantly, will be easy to navigate and can eventually embed sections holding graphs, equations, animations ...

Your task will be to architect (together with the team) and implement the flow to go from our internal representation of a VHDL/Verilog project through any intermediate representations (XML, markdown ...) to the final HTML and CSS.

Number of weeks offered:	12 - 24	*Working environment:*	Research and development
Within the months:	15-JAN-2019 - 15-DEC-2019	*Gross pay:*	240 EUR / Week
Or within:	-	*Deduction to be expected:*	0
Holidays:	-	*Payment method / frequency:*	Bank transfer / Weekly

Accomodation

Canteen at work:	No		
Expected type of accommodation:	Student dormitory	*Estimated cost of lodging:*	100 EUR / Week
Accommodation will be arranged by:	IAESTE	*Estimated cost of living incl. lodging:*	200 EUR / Week

Additional Information

Nomination Information

Deadline for nomination: 31-MAR-2019 *Please send nominations by* Exchange Platform

Date: 15-JAN-2019 *On behalf of receiving country:* Annelies Vermeir