Agenda of the 2012 Computer Science Summer School

Course 1: Ralf Hinze -- Introduction to functional programming
Course 2: Andres Loeh -- The practice of functional programming
Course 3: Simon Marlow -- Parallelism and concurrency

A short 10-minute break (whose maximum duration is to be strictly enforced) is proposed during each 90-minute slot.

Seminars   **Talk 1: Joe Armstrong (inventor of the Erlang language), on: "Erlang - Past present and future"**
Talk 2: Fabrice Le Fessant (OCamlPro startup), on: "Commercial Usage of Ocaml"

Other events   **Exchange Session: everyone explains his work and functional interest, so that we better know each other**
Ice breaking Event: visit of the "Domaine de Vignelaure" (vineyard)
Functional Lounge: where functional enthousiasts from all origins can cosily meet
Social Event: feast, magic and music

	Monday 11/06/2012	Tuesday 12/06/2012	Wednes. 13/06/2012	Thursday 14/06/2012	Friday 15/06/2012
9h-10h30	(10h20: arrival of the Monday shuttle)	Developing Haskell applications	ADT	Higher-order	Evaluation
10h30-11h	*Introduction*	Break	Break	Break	Break
11h-12h30	Expressions and Values	Lists	Data Structures	Type classes	Monads
12h30-14h	Lunch	Lunch	Lunch	Lunch	Lunch
14h-15h30	Types and polymorphism	*Exercices*	*Exercices*	Testing	*Exercices*
15h30-16h	Break	Break	Break	Break	
16h-17h30	*Exercices*	*Exercices*	*Exercices*	*Exercices*	(16h30: departure of the shuttle)
17h30-18h	Break	Break	Break	Break	
18h-19h30	Exchange Session	Ice breaking Event	Erlang - Past present and future	Free time	
19h45	Dinner	Dinner	Dinner	Dinner	

	Monday 18/06/2012	Tuesday 19/06/2012	Wednes. 20/06/2012	Thursday 21/06/2012	Friday 22/06/2012
9h-10h30	(10h20: arrival of the Monday shuttle)	Basic concurrency	(Embedded) domain-specific languages	Cloud Haskell	GPU
10h30-11h	Start	Break	Break	Break	Break
11h-12h30	Basic pure parallelism	STM	Concurrent servers	Data-parallel arrays	*Exercices*
12h30-14h	Lunch	Lunch	Lunch	Lunch	*End of the school*
14h-15h30	Par monad	*Exercices*	*Exercices*	*Exercices*	(14h30: departure of the shuttle)
15h30-16h	Break	Break	Break	Break	
16h-17h30	*Exercices*	*Exercices*	*Exercices*	*Exercices*	
17h30-18h	Break	Break	Break	Break	
18h-19h30	Functional Lounge	Free time	Commercial Usage of Ocaml	Social Event	
19h45	Dinner	Dinner	Dinner	Dinner	