Physics of Solar Cells: from basics to nanoscience, Les Houches School of Physics, 25-30 mars 2018.

	Monday March 26	Tuesday March 27	Wednesday March 28	Thursday March 29	Friday March 30
Breakfast: 7.45 – 8.45 am					
Morning	*(1) General introduction 1* (8:45-10:15) **Uwe Rau**	*(3) Device engineering 1: Si interfaces and heterostructures* (8:45-10:15) **Uwe Rau**	*(6a) Modeling* (8:45-10:45) **Marko Topic**	*(5) Advanced characterization 2* (8:45-10:15) **Mariana Bertoni**	*(8) Multi-junctions, tandems* (8:45-10:45) **Romain Cariou**
	(1) General introduction 2 (10:45-12:15) **Uwe Rau**	*(3) Device engineering 2: CIGS/CdTe interfaces and heterostructures* (10:45-12:15) **Nicolas Barreau**	*(6b) Photonics* (11:15-12:15) **Stéphane Collin**	*(5) Advanced characterization 3* (10:45-12:15) **Mariana Bertoni**	Wrap-up session (11:15-12:15)
Lunch: 12.30 pm					
Afternoon	*(2) Overview of technologies 1* (2:00pm-3:30pm) • Si (**Christophe Bonelli**) • III-V (**Romain Cariou**)	*(4) Advanced concepts* **JF Guillemoles** (2:00pm-4:00pm)	Free time	*(7) Fabrication processes 1:* (2:00pm-4:00pm) **Ivan Gordon**	Leave
	(2) Overview of technologies 2 (4:00pm-6:00pm) • CIGS/CdTe/CZTS (**Nicolas Barreau**) • Perovskites (**Philip Schulz**)	*(5) Advanced characterization 1: luminescence* (4:30pm-5:30pm) **Laurent Lombez**		*(7) Fabrication processes 2*: (4:30pm-5:30pm) **Andrea Cattoni**	
Dinner: 7.30 pm					
Evening	(A) Social session, Poster 1	(B) Tutorial on modeling **Laurent Lombez, James Connolly and JF Guillemoles**	(C) Social session, Poster 2	(D) Creativity and innovation **Jean-François Minster**	

Program:

(1) General introduction 1 & 2 (3h), **Uwe Rau**
(2) Overview of technologies 1 & 2 (3h30):
    a. Si (1h), **Christophe Bonelli**
    b. III-V (30mn), **Romain Cariou**
    c. CIGS/CdTe/CZTS (1h), **Nicolas Barreau**
    d. Perovskites (1h), **Philip Schulz**
(3) Device engineering 1 & 2 (3h):
    a. Si interfaces and heterostructures (1h30), **Uwe Rau**
    b. CIGS/CdTe interfaces and heterostructures (1h30), **Nicolas Barreau**
(4) Advanced concepts (2h), **JF Guillemoles**
(5) Advanced characterization (4h):
    a. 1: Luminescence (1h): **Laurent Lombez**
    b. 2 & 3 (3h): **Mariana Bertoni**
(6) Modeling & Photonics (3h)
    a. Modeling (2h): **Marko Topic**
    b. Photonics (1h): **Stéphane Collin**
(7) Fabrication processes (3h):
    a. 1 (2h): **Ivan Gordon**
    b. 2 (1h): **Andrea Cattoni**
(8) Multi-junctions, tandems (2h): **Romain Cariou**

Evening sessions:

(A) Social session, Poster 1
(B) Tutorial on modeling: **Laurent Lombez, James Connolly and JF Guillemoles**
(C) Social session, Poster 2
(D) Creativity and innovation, **Jean-François Minster**