

TeMaS Workshop

Zircon Age Spectra Systematics

Time: October, 25-27 2019

Venue: Golf- und Landhotel Rheinhessen, Hofgut Wißberg,
55578 St. Johann bei Mainz

<https://www.golfhotel-rheinhessen.de/>

List of participants

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Program

	Friday (10/25)	Saturday (10/26)	Sunday (10/27)
8:30-9:00		Breakfast	Breakfast
9:00-12:00		Mini-presentations (part 2) and discussion	Breakout sessions: develop draft chapter outline
12:00-13:00		Lunch	Lunch
13:00-15:00		Breakout sessions	Final discussion and farewell
15:00-15:30	Arrival	Coffee break	
15:30-18:00	Welcome, definition of tasks, mini-presentations (part 1)	Presentations of breakout sessions, plenary discussion	
18:00-	Dinner	Dinner	

Themes (and preliminary assignments)

<p>Theme 1: Methods and observables</p> <ul style="list-style-type: none">- How do we generate zircon age spectra, and what do these data tell us?- What other data are available/useful besides zircon ages?- What are we missing with current methods (e.g., because of sampling bias, lack of age resolution)? <p><i>Axel, Jakob</i></p>	<p>Theme 2: Case studies</p> <ul style="list-style-type: none">- How do „real-world“ zircon age spectra look like?- Do we always see the same features?- Are there first-order differences between old-young, plutonic-volcanic, large-small systems? <p><i>Alejandro, Bjarne, Julien, Olivier</i></p>
<p>Theme 3: Existing models</p> <ul style="list-style-type: none">- What are the fundamental principles for modeling zircon crystallization in magmas?- How robust are model results?- Are available data of sufficient quality to test existing models?- How do preconceived notions of magma systems bias models? <p><i>Luca, Oscar, Tom</i></p>	<p>Theme 4: Future steps</p> <ul style="list-style-type: none">- What are the limitations of current models?- What do we need to make models more realistic, and is this realistically achievable?- Which data are required to develop and test the next generation of models? <p><i>Boris, Nicolas</i></p>