

ANA	ANI	BIM	CST
EGI	MAP	SR	LAB
LIT	ML	MAR	NUM
RIA	RMC	SOE	TCC
OT			

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master thesis (30 ECTS)

<b>Working Title</b>	Impact of different thermo-mechanical loading scenarios on the strength of rock
<b>Project objectives</b>	Literature survey; laboratory investigations on two different rock types using state-of-the-art experimental techniques (e.g. destructive as well as nondestructive methods); elaborate the impact of different realistic temperature/precipitation conditions on the strength of rockfall-prone rock types; quantification of micro-damage in these rocks.
<b>Student has enthusiasm for</b>	Laboratory and experimental work, basic interest in geological processes, nature habitat
<b>Requirements on student</b>	Ability to work in a team and contribute to a research group, accuracy, structured way of working, reliability
<b>Start (earliest / latest)</b>	WS 2022/23
<b>Project term (min. / max.)</b>	Approx. 6-9 months
<b>Coop. with external institution</b>	Projectgroup STEIRIS at RMT
<b>Possibility of remuneration</b>	---
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tunnel.tugraz.at:

