

## About ABBY-Net

ABBY-Net is an interdisciplinary network of researchers from universities in the Canadian province of Alberta and the German province of Bavaria, collaborating on topics related to the sustainable development of resources under changing environmental conditions. ABBY-Net scientists work in various fields related to environment, energy, and computing science, and strive to create interdisciplinary approaches that further our understanding of energy systems and ecosystem functioning. Key topics include:

- Cleaner energy production, transportation, and storage
- Impact of energy infrastructure on ecosystem processes
- Effects of changing environmental conditions on energy systems

ABBY Net Summer Schools have been alternating between Alberta and Bavaria since 2012, when the first summer school was held in Kananaskis Country, Alberta. 2018 will be the sixth edition of our program, where will be retreating to "Burg Trausnitz" picturesque and historic site in Northern Bavaria.

## Course Description

The purpose of the 6<sup>th</sup> ABBY-Net Summer School is to train young scientists in interdisciplinary approaches to energy and ecosystem research. The course will focus on energy-management issues in the free-state of Bavaria, and the impact of the "Energiewende" on natural ecosystem functioning. Students will attend seminars on key extra-disciplinary topics (hydrology, energy systems, environmental monitoring, data mining, and data analysis), and participate in field excursions designed to educate participants on local energy-management issues. In the later stages, participants will be challenged to develop inter-disciplinary research proposals designed to solve practical problems related to energy-management in Bavaria.

For more details and applications, please visit:

<http://www.abby-net.org>



## Participation and Registration

Attendance is limited and subject to selection by the ABBY-Net Organizing Committee. Selected Bavarian students are requested to pay a participation fee of €150 by June 1. Canadian students are requested to provide documentation of flight bookings by June 1. Participation fee for in the Summer School includes accommodation, meals, transfers from Munich/ Frankfurt to the Burg Trausnitz in Bavaria and field tours.

Find further information on the summer school online at: <http://www.abby-net.org/>. For registration send email to [kldi@tum.de](mailto:kldi@tum.de). Deadline for applications is April 30<sup>th</sup>, 2018.

## Venue and Directions

The Youth Hostel Burg Trausnitz is located on the edge of Trausnitz and has a spectacular view of the Pfreimad valley. It offers us 50 beds in rooms with three to eight beds each and separate rooms with en-suite shower and toilet for group leaders. We'll be residing in the The Castle, which contains the "Rittersaal" (Great Hall), "Kemenate" (Bower), teachers' or group leaders' room, bicycle room, barbecue area, bonfire site, table tennis. Technical equipment includes TV, video, slide and overhead projectors, moderator's kit, CD player, DVD player, flip chart, Metaplan board, Piano, electronic piano. More information on the Burg Trausnitz, including a description of facilities, natural history, and an overview research projects underway can be found at <http://trausnitz.jugendherberge.de>



Canadian participants can travel to Trausnitz via Frankfurt (FRA) airport (direct connection from Calgary), or via Munich airport (MUC) with a possible domestic connection to Nuremberg (NUE).

## Program Committee

Prof. Dr. Greg McDermid, University of Calgary  
Prof. Dr. Joule Bergerson, University of Calgary  
Prof. Dr. Sven Anders, University of Alberta  
Prof. Dr. Ralf Ludwig, Ludwig-Maximilians University München  
Prof. Dr. Klaus Diepold, Technical University of Munich  
Prof. Dr. Jürgen Karl, Friedrich-Alexander University, Erlangen  
With kindly acknowledged support of Innotech Alberta, the Bavarian Research Alliance, and participating universities.



# ABBY-Net

## Albertan - Bavarian Research Network

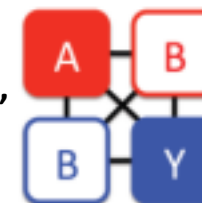


Announcement for the Sixth ABBY-Net Summer School

# Natural Resource Management and Energy Systems Under Changing Environmental Conditions

August 11-18, 2018

Burg Trausnitz, Trausnitz, Bavaria, Germany



Time / Date	Saturday August 11	Sunday August 12	Monday August 13	Tuesday August 14	Wednesday August 15	Thursday August 16	Friday August 17	Saturday August 18		
08.00 - 08.30	Travel to Burg Trausnitz	<b>M1</b> Introductory 101 Energy Systems	<b>M3</b> Introductory 101 Data Analysis	<b>M5</b> Prep Lecture	<b>M7</b> Prep Lecture	<b>M9</b> Energy Management in Western Bavaria: the Industry Perspective	<b>M12</b> Group Work	<b>M13</b> Group Presentations: Student Groups to Provide Formal Presentations to Instructor Panel		
08.30 - 09.00									Coffee	Coffee
09.00 - 09.30		<b>M1 (cont.)</b> Introductory 101 Energy Systems	<b>M3 (cont.)</b> Introductory 101 Data Analysis			<b>M9 (cont.)</b> Group Work				
09.30 - 10.00										
10.00 - 10.30	Orientation and Registration; Distribution of materials; Formation of groups	<b>M2</b> Introductory 101 Environment Systems	<b>M4</b> Introductory 101 Energy Economics	<b>M6</b> Field Tour	<b>M8</b> Field Tour	<b>M10</b> Energy Management in Bavaria: the Regulator Perspective	<b>M12 (cont.)</b> Group Work			
10.30 - 11.00								Coffee	Coffee	Coffee
11.00 - 11.30		<b>M2 (cont.)</b> Introductory 101 Environment Systems	<b>M4 (cont.)</b> Introductory 101 Energy Economics			<b>M10 (cont.)</b> Group Work				
11.30 - 12.00										
12.00 - 12.30	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Farewell			
12.30 - 13.00	Introductions and Course Goals  Field Demonstration and Excursion	<b>M2</b> Introductory 101 Environment Systems	<b>M4</b> Introductory 101 Energy Economics	<b>M6</b> Field Tour	<b>M8</b> Field Tour	<b>M10</b> Energy Management in Bavaria: the Regulator Perspective	<b>M12 (cont.)</b> Group Work			
13.00 - 13.30								Coffee	Coffee	Coffee
13.30 - 14.00		<b>M2 (cont.)</b> Introductory 101 Environment Systems	<b>M4 (cont.)</b> Introductory 101 Energy Economics			<b>M10 (cont.)</b> Group Work				
14.00 - 14.30										
14.30 - 15.00		Dinner	Dinner			Dinner		Dinner	Dinner	Dinner
15.00 - 15.30										
15.30 - 16.00										
16.00 - 16.30										
16.30 - 17.00	Ice Breaker	Activity	Activity	Activity	Activity	Activity	Activity			
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18.30 - 19.00	Ice Breaker	Activity	Activity	Activity	Activity	Activity	Activity			
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20.30 - 21.00	Ice Breaker	Activity	Activity	Activity	Activity	Activity	Activity			
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