



ITS Rocky Mountain Chapter Annual Report of Student Chapter Activities From January 1, 2010 to December 31, 2010

Student Chapter at: Montana State University

This report form contains the minimum information that must be submitted by each Student Chapter to ITS Rocky Mountain each year (Student Chapter Charter, Section V.4). You may wish to use this form – filling in the blanks and adding attachments as appropriate – or, if it is more convenient, submit the same information in a format similar to this form.

1. Student Chapter Officers

Board Chair: Kyle Stahley

Board Liaison: Stephani Schielke

Board Liaison: Sandeep Gurram

Board Liaison: Jessica Mueller

2. Student Chapter Membership

Number of Student Chapter members: 13

Number of Students eligible to be a Student member of ITS Rocky Mountain: 1,948

Number of faculty members who are ITS Rocky Mountain members: 1

3. Information on ITS/Transportation Engineering Enrollment

Number of undergraduate students in your academic department/college: 1,898

Full time: 1,723

Part time: 175

Does your curriculum allow an undergraduate student to major or minor in ITS or Transportation?

ITS:

YES **NO**

Transportation:

YES **NO**

If "Yes", give number of ITS/Transportation majors _____ and minors _____.
Specify if ITS or Transportation.

Number of graduate students in ITS/Transportation. Full time: 6

Part time: 0

4. Summary of Student Chapter Activities

Attach a summary listing which includes the date and identify the type of each significant Student Chapter activity (i.e., business meeting, technical meeting, field trip, project, joint meeting with ITE Chapter or Section, social event, etc.) during the reporting period.

5. Roster of Student Chapter Members

Below is an alphabetized listing of the Student Chapter membership. For each person, the degree for which they are enrolled and expected graduation date is listed.

Member	Degree	Expected Graduation Date
Chris Conlon	B.S., Computer Science	(Spring 2011)
Renee Dellinger	B.S., Civil Engineering	(Spring 2011)
Neil Dezort	B.S., Civil Engineering	(Spring 2010)
Anupam Goel	PhD., Chemistry	(Spring 2012)
Sandeep Gurram	B.S., Computer Science	(Spring 2011)
Nipun Maddasani	B.S., Computer Science	(Spring 2010)
Jessica Mueller	M.S., Industrial Engineering	(Spring 2011)
Shradda Rane	B.S., Physics	(Spring 2011)
Kelly Reed	B.S., Civil Engineering	(Spring 2011)
Stephani Schielke	B.S., Computer Science	(Spring 2011)
Kyle Stahley	B.S., Civil Engineering	(Spring 2010)
Joey Staszczuk	M.S., Civil Engineering	(Summer 2010)
Tyler Paine	B.S., Mechanical Engineering	(Spring 2011)

6. Submittal Information

Report submitted by:

Name: Susan Gallagher

Phone: (406)994-6559

Email: sgallagher@coe.montana.edu

Date: January 31, 2008

Please submit report to:

ITS Rocky Mountain Chapter
Attn: Student Chapter Coordinator
c/o Meetings Northwest, LLC
PO Box 2083
Missoula, MT 59806
studentinfo@itsrm.org

Contents approved by:

Patrick McGowen
(Faculty Advisor)

Summary of Student Chapter 2010 Activities

Technical Tours and Field Trip to Salt Lake City, Utah

The MSU Intelligent Transportation Society – Rocky Mountain Student Chapter (ITS-RM) took a field trip to Salt Lake City, Utah March 17-20, 2010. Graduate and undergraduate students representing various academic disciplines traveled over their spring break to tour a number of transportation sites of interest. The trip was designed to demonstrate the diversity of transportation opportunities for students in computer science, civil engineering, and related ITS disciplines. The students visited the Utah Department of Transportation's Traffic Operations Center where they were able to view signal control mechanisms, weather and deicing operations, traffic cameras and the video board room. The Department of Computer Science at the University of Utah provided a presentation and demonstration of an autonomous vehicle faculty and students designed and developed for research purposes. UDOT staff provided an overview of Utah's first Continuous Flow Intersection (CFI). The intersection is unique as it allows four unimpeded movements at a time instead of the conventional two. The intersection has resulted in improved safety and more are planned in the corridor as a result. Transportation consultants from Fehr and Peers provided the student chapter with an overview of a number of recent projects, including new light rail systems, as well as unique software they are using for planning and public presentation purposes. The Utah Transit Authority provided a tour of the Traxx light-rail control center and a rail extension construction site. The students also visited the FrontRunner commuter rail operation center. Ten student chapter members participated in the trip accompanied by faculty advisor Pat McGowen and a guest professional from the Federal Highway Administration. The ITS-RM field trip to Salt Lake City was sponsored by the Western Transportation Institute (WTI).

Conference Travel/Paper Awards

Two students traveled to the National Rural ITS (NRITS) Conference, held in Huntington, West Virginia August 1-4, 2010. The students were recipients of Best Student Papers awards. Joseph Staszczuk, Masters student in Civil Engineering, won second prize for his paper "Deploying Portable Advanced Traveler Information systems: Redding Deployment Evaluation." Jessica Mueller, Masters student in Industrial Engineering, received third prize for her paper "Naturalistic Data Collection in Rural Emergency Medical Services Transportation." As award recipients, the students received cash awards, conference registration, and travel expenses to attend and present their papers at the conference.

Student Projects

Tyler Paine (Mechanical Engineering undergraduate) is working on an academic yearlong ITS research project as part of the Undergraduate Research Experience (URE) program, funded by the Western Transportation Institute's UTC Education Program. Tyler's project will focus on the development, testing, and deployment of an automatically alerting pager system for use by workers in highway work zones. The system will identify speeding vehicles in work zones and transmit this information to roadside workers. The goal is to reduce injury and fatalities among workers in highway work zones.