

2018 PNW NEXT Schedule - Seattle University, Seattle, WA www.seattleu.edu/map

April 19, 2018 Thursday

7:30 pm Informal Gathering Rhein Haus, 912 12th Ave, heinhausseattle.com
Join us when you can after 7:30 for dinner, a drink, or just good company.

April 20, 2018 Friday Casey Commons Top Floor (CASY on map)

8:00 am **Introduction of New Fellows** - Coffee and Light Breakfast available

8:10 Keeping Your Research Alive

Organizer: Sooie-Hoe Loke, Central Washington University

Abstract: This breakout session aims to bring together fellow NExTers with common research interests. The five groups (Analysis, Applied Mathematics, Algebra and Number Theory, Topology and Graph Theory, and Mathematics Education) will discuss current research trends in their respective areas and how to maintain research productivity. It is anticipated that this session will lead to research collaborations between regional faculty members.

9:00 Designing Activities to Support Learning by the Center for Digital Learning and Innovation (CDLI) at Seattle U

Organizer: Katie Oliveras, Seattle University

Abstract: Imagine a student of yours has graduated and is in a real-life situation that necessitates many of the skills, concepts, and strategies gained from your class. In this perfect world, what are some of the knowledge, abilities, values, and attitudes that your student is exhibiting? What would your student be doing?

It's often difficult to think of activities that support your instructional goals. During this mini-workshop, CDLI will be using a card game to help you generate ideas for creative ways to assess students. Time permitted, they will also discuss some evidence-based practices to help generate ideas for deep learning and authentic assessments.

10:00 Break

10:20 Hiring Policies and Procedures

Organizers: Kate Kearney and Katherine Shultis, Gonzaga University

Panelists: Megan Buzby, University of Alaska Southeast, Allison Henrich, Seattle University, Hans Nordstrom, University of Portland, Luke Rawlings, Bellevue College

Abstract: This panel discussion is devoted to hiring policies and procedures. We will highlight similarities and differences between processes at different universities, and welcome questions and discussion on all aspects of the hiring process.

11:10 Active Learning and the MAA's Instructional Practices Guide

Kelly McKinnie, University of Montana

Abstract: I will introduce the IPG and discuss the active learning strategies that I have found useful while teaching and coordinating calculus at the University of Montana.

11:40 **Creating/Revising Your Favorite Course to Teach**

Organizer, Luke Rawlings, Bellevue College

Abstract: The purpose of this session is to break out into small groups according to teaching interests for five specific courses: Pre-calculus, Calculus I, Differential Equations, Linear Algebra, and Math in Society (or Quantitative Analysis-whatever course is equivalent to courses that offer non-STEM students a college mathematics credit). These five groups will discuss and invent a syllabus or list of course topics by discussing what topics are considered irrelevant. The facilitator will report ideas, trends, and research from other schools that have chosen to revise certain courses for student success in mathematics and for more modern approaches. Each group will have a questionnaire to prompt discussion, which will take place over the lunch hour. A summary of our work will be sent to the NExT group to help facilitate any future collaboration among faculty at different colleges.

11:50 Break for lunch

Student Union Building (STCN on map)

1:00 **Mathematics Textbooks with Open Licenses**

Robert A. Beezer, University of Puget Sound

Abstract: Free, open source, textbooks are gaining in popularity, and online versions are gaining new features for both authors and readers. We will survey the current status of using, adopting, or authoring such a textbook, along with demonstrations of their new capabilities. There will be time included for questions and discussion.

1:30 **Program Assessment: dull and dreary, or good times for all? Yes.**

Organizer: Jim Bisgard, Central Washington University

Panelists: Megan Buzby, University of Alaska-Southeast, Dylan Helliwell, Seattle University, Bernadette Jungblut, Central Washington University

Abstract: We all have an idea of what we would like our majors to be able to do when they graduate, and program outcomes distill those ideas into clear, coherent goals. Program outcomes are a statement about what a department values in its major, since they lay out what every major should be able to do when they graduate. Program assessment is the process by which a department verifies how well it is succeeding at achieving its program outcomes. Each panelist has experience in writing and assessing program outcomes, and will discuss their experiences with outcomes and assessment, including how a department can use assessment to change and improve. Homework for all participants, due at the start of the panel: bring your department's outcomes and assessments, and think about what those outcomes say about what your department values, and what changes (if any?) you would like to bring about in your department.

2:20 Financially What's NExT , Organizers: Jenny McNulty, Nancy Neudauer

2:30 Adjourn

2:45 – 5:00 Minicourses

5:15 Dinner

Stout Pub, 1530 11th Ave, www.stoutpubs.com

8:00 Plenary talk: Sir Randolph Bacon III (a cousin-in-law of Colin Adams)

Blown Away: what Knot to do when sailing