

# **Home Page For CoMet**

## **Independent Study (2950) Report**

**Summer 2013**

**Wenbang Wang**

Supervisor: Dr. Peter Brusilovsky

Chirayu Wongchokprasitti

## **The Goal for Independent Study**

What I was requested to do is to revise the home page into a nicer look as the home page looks a little bit old-fashioned and also not that convenient for users to browse. So the style of the whole home page has to be rearranged and some new functions or features are planned to be added. Such as compiling some divisions into one which is made as the gallery slider, creating users notification function and redo the friend request function.

## **Introduction to CoMet**

CoMet (Collaborative Management of Talks) is created by PAWS (Personalized Adaptive Web Systems) lab which is led by Dr. Peter Brusilovsky. It is used to list many talks at the University of Pittsburgh and Carnegie Mellon University allowing users to bookmark, tag, and share interesting talks with friends and can also subscribe speakers and series along with groups.

## **Technical Detail of Independent Study**

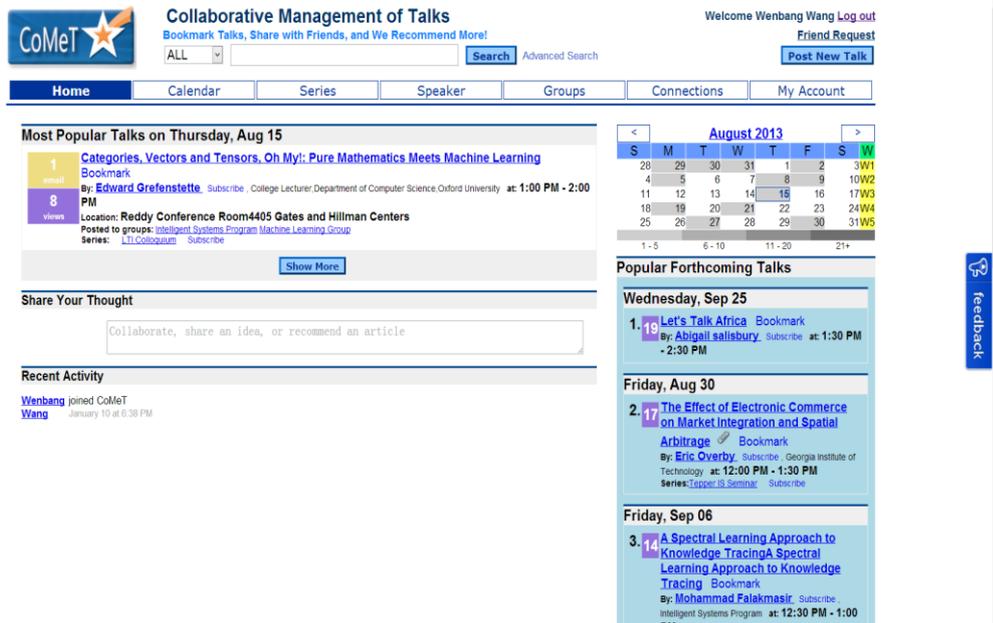
1. Struts: CoMet uses Struts as the web frame work. It configures many web paths in its configuration file. While entering some relative URLs, Struts will check them in the configuration file and then forward them on the server side to the target page. This is a much secured method for a website and also an effective

way.

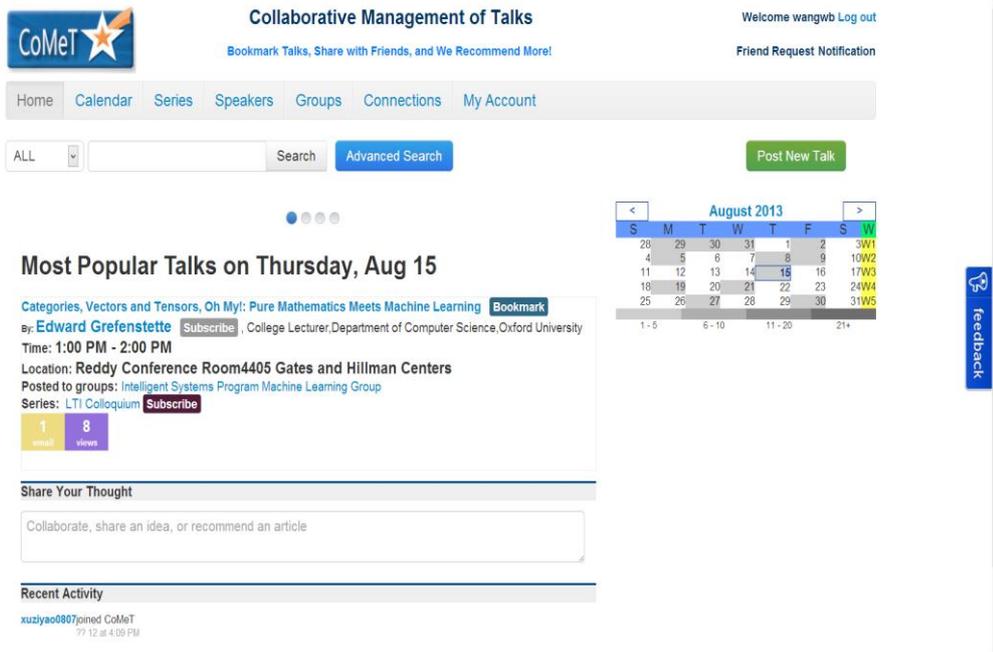
2. JSP: Most of the website was built by JSP and it can make the web page not only static but also the content will change when the variables change.
3. CSS: I utilized a CSS library from twitter called bootstrap. It inherits some outward appearances from twitter which make the website looks a little fancier than before.
4. JavaScript: Some actions used in the web page have to be realized by some JavaScript functions.
5. JQuery: I used JQuery mainly for the selector function and give the element some attributes or some CSS.
6. MySQL: The Friend Request and Notification function are realized by traverse the database where MySQL is implemented to find the right data to show to the users.
7. JAVA: I also created a JAVA function to find users' friends in there social network to check whether they are the speakers in CoMet and whether they are going to give a talk recently.

# What I Have Done

Revise the style of home page.



What the home page looks like previously



What the home page looks like now

## Rearrange the divisions

In order to make the home page lively, I created a gallery-slider-like division to hold the divisions from previous home page.

## Most Popular Talks on Thursday, Aug 15

<b>1</b> email	<a href="#">Categories, Vectors and Tensors, Oh My!: Pure Mathematics Meets Machine Learning</a> Bookmark
<b>8</b> views	By: <a href="#">Edward Grefenstette</a> <a href="#">Subscribe</a> , College Lecturer, Department of Computer Science, Oxford University at: <b>1:00 PM - 2:00 PM</b> Location: <b>Reddy Conference Room4405 Gates and Hillman Centers</b> Posted to groups: <a href="#">Intelligent Systems Program</a> <a href="#">Machine Learning Group</a> Series: <a href="#">LTI Colloquium</a> <a href="#">Subscribe</a>

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## Popular Forthcoming Talks

### Wednesday, Sep 25

1. **19** [Let's Talk Africa](#) [Bookmark](#)  
By: [Abigail salisbury](#) [Subscribe](#) at: **1:30 PM - 2:30 PM**

### Friday, Aug 30

2. **17** [The Effect of Electronic Commerce on Market Integration and Spatial Arbitrage](#)  [Bookmark](#)  
By: [Eric Overby](#) [Subscribe](#), Georgia Institute of Technology at: **12:00 PM - 1:30 PM**  
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3. **14** [A Spectral Learning Approach to Knowledge Tracing](#) [A Spectral Learning Approach to Knowledge Tracing](#) [Bookmark](#)  
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By: [Eric Overby](#) [Subscribe](#), Georgia Institute of Technology

Time: 12:00 PM - 1:30 PM

Location: Tepper/GSIA Faculty Conference Center 322

Series: [Tepper IS Seminar](#) [Subscribe](#)

17  
views

Friday, Sep 06

[A Spectral Learning Approach to Knowledge Tracing](#) [Bookmark](#)

By: [Mohammad Falakmasir](#) [Subscribe](#), Intelligent Systems Program

Time: 12:30 PM - 1:00 PM

Location: Sennott Square - Seminar Room 5317

14  
views

Now

Popular Forthcoming Talks

## Past Popular Talks with Video

11

[Digital Vita: Facebook for scientists](#) 

[Bookmark](#)

1

By: [Titus Schleyer](#) [Subscribe](#), DMD, PhD,

Associate Professor and Director, Center for Dental Informatics, University of Pittsburgh

1791

Previously



## Past Popular Talks with Video

Friday, Mar 19, 2010

Digital Vita: [Facebook for scientists](#) [Bookmark](#)

By: [Titus Schleyer](#) [Subscribe](#), DMD, PhD, Associate Professor and Director, Center for Dental Informatics, University of Pittsburgh

Time: 2:30 PM - 3:30 PM

Location: IS 501, School of Information Sciences

Keywords: [network social](#)

Posted to groups: [Human-Centered Computing Social Computing](#)

Bookmarked by: [peterb shirtle yiling kfrichter zhaleh.semnan M. H. Falakmasir Seventeen chirayu Yueyue Wang Olivia Yun Huang](#)



1 email 1791 views 11 bookmarks

Thursday, Jan 20, 2011

[How To Build a Better Brain. A Panel Discussion on the Brain, Mind and Learning Sciences.](#)

[Bookmark](#)

By: [Mark S. Kamlet, Executive Vice President and Provost, Carnegie Mellon University](#) [Subscribe](#), Marcel Just, director of the Scientific Imaging & Brain Researcher Center; Justine Cassell, director of the Human-Computer Interaction Institute; Nathan Urban, head of the Department of Biological Sciences; and Michael J. Tarr, co-director of the Center for the Neural Basis of Cognition

Time: 5:00 PM - 7:00 PM

Location: Rashid Auditorium

Bookmarked by: [Max Auerswald Denis Parra-Santander Claudia Lopez myudelson chirayu](#)

1094 views 5 bookmarks

Now

### Past Popular Talks with Video

#### Popular Series

1. [HCII Seminar Series](#) 24(96) talks 105(312) bookmarks [Subscribe](#)
2. [ISP Colloquium Series](#) 24(74) talks 55(174) bookmarks [Subscribe](#)
3. [LTI Colloquium](#) 24(74) talks 46(111) bookmarks [Subscribe](#)
4. [School of Information Sciences Colloquium Series](#) 7(25) talks 45(101) bookmarks [Subscribe](#)
5. [DBMI Lecture Series](#) 33(49) talks 31(38) bookmarks [Subscribe](#)

#### Popular Groups

1. [PAWS Group](#) 0(279) talks 0(1124) bookmarks [Join](#)
2. [Intelligent Systems Program](#) 2(454) talks 0(1074) bookmarks [Joined](#) [Leave](#)
3. [Social Computing](#) 0(264) talks 0(918) bookmarks [Join](#)
4. [Human-Centered Computing](#) 1(219) talks 0(781) bookmarks [Joined](#) [Leave](#)
5. [Machine Learning Group](#) 2(151) talks 0(382) bookmarks [Join](#)

Previously



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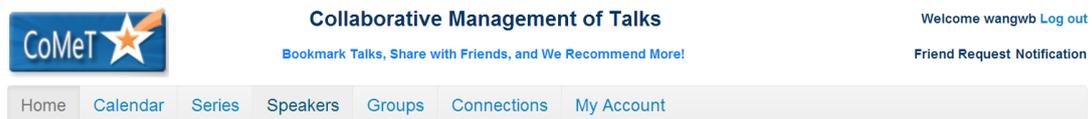
Now

### Popular Series and Groups

The slider will automatically jump to the next one every 5 seconds and it will not jump when the users put the mouse on the division.

## Fixed Navigation Bar and the TOP function

The navigation bar looks like this when the scrolling bar is on the top.



The navigation bar will be fixed on the top when the user scroll down and an icon which is clickable appears.

Home Calendar Series Speakers Groups Connections My Account

ALL  Search [Advanced Search](#) [Post New Talk](#)

August 2013

S	M	T	W	T	F	S	S
26	29	30	31	1	2	3	W1
4	5	6	7	8	9	10	W2
11	12	13	14	15	16	17	W3
18	19	20	21	22	23	24	W4
25	26	27	28	29	30	31	W5

1 - 5 6 - 10 11 - 20 21+

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Series: [LTI Colloquium](#) [Subscribe](#)

1 email 8 views

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Collaborate, share an idea, or recommend an article

Recent Activity

[xuzlyao0807](#) joined CoMeT 7/12 at 4:09 PM

CoMeT Blog  
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School of Information Sciences, University of Pittsburgh, 135 North Bellefield Avenue, Pittsburgh, PA 15260

[feedback](#)

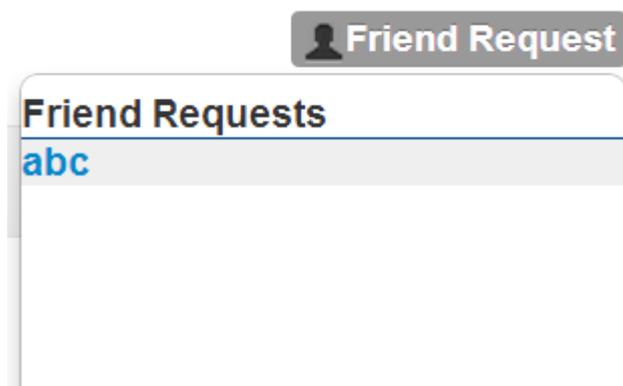
[Top](#)

The page will go to top when the user clicks on the icon.

## Friend Request

You will receive a friend request when other users request to be a friend with you.

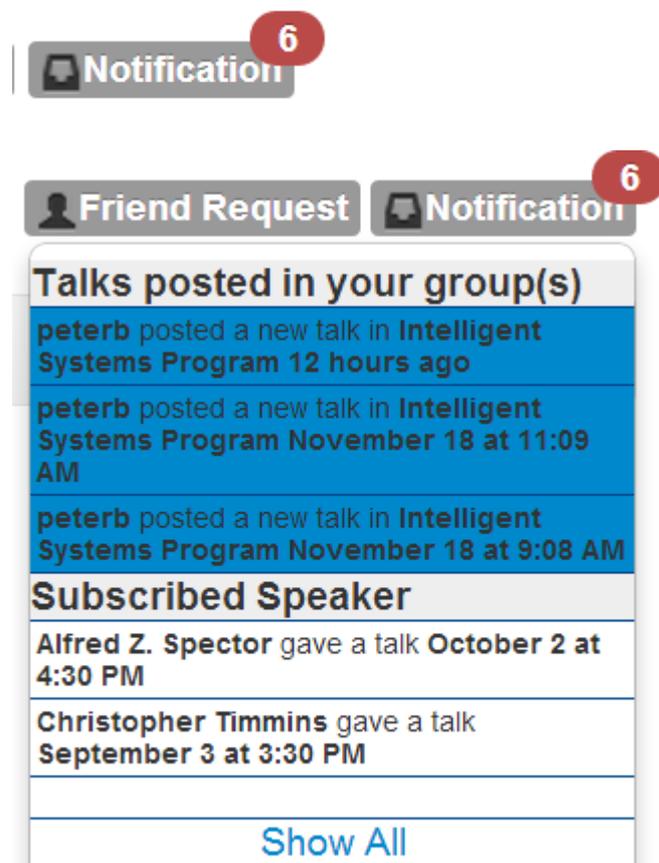
The number represents the how many requests are received. When you click on "Friend Request", the number will disappear and a drop-down list will appear to show the request(s)



## Notifications

In the notification function, it includes 6 parts.

- 1) Others comment on your wall
- 2) Others like your comment
- 3) Others comment on your thread
- 4) Group you are in has new talks
- 5) Series you have subscribed has new talks
- 6) Friends in your social network are going to give a new talk



The top 3 recent messages from each of the 6 parts will show in the list. And also the messages which you have not read yet would be highlighted to blue and when user click on it, it will be dehighlighted.

In implementing 4 and 5, I created about 15 views and 2 tables to help realize the function as well as many queries.

## Searching and listing functions for notifications

When user clicks on “Show All” in the notification drop down menu, the page will jump to notification page.

In this part, all the notifications will be shown in 6 parts. But it will only show top 20 messages. A “Show More” link will show all the rest messages and a “Show Less” link will collapse the “more” messages.

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peterb posted a new talk "[Robot Motion for Seamless Human-Robot Collaboration](#)" in **Intelligent Systems Program** November 4 at 10:05 AM

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peterb posted a new talk "[Promoting Service Design as a Core Practice in HCI](#)" in **Human-Centered Computing** November 4 at 10:04 AM

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[Show More](#)

---

peterb posted a new talk "[Adaptive Navigation Support for Parameterized Questions in Object-Oriented Programming](#)" in **Intelligent Systems Program** September 10, 2009 at 3:19 PM

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peterb posted a new talk "[Concepts, Structures, and Goals; What makes a Problem or Domain Ill-Defined](#)" in **Intelligent Systems Program** September 10, 2009 at 3:18 PM

---

[Show Less](#)

---

The user can also collapse the content of each part by click the head of this part.

**Talks posted in your group(s)** -

---

peterb posted a new talk "[Distilling Natural Laws from Experimental Data, from cognitive robotics to computational biology](#)" in **Intelligent Systems Program** 12 hours ago

---

peterb posted a new talk "[Spectral Robotics](#)" in **Intelligent Systems Program** November 18 at 11:09 AM

---

Talks posted in your group(s)	+
Subscribed Speaker	-

Moreover, I also created the search function for the notifications. The user can choose a time range, the start date or the end date of what they want to search. And there also a time picker when user click on the blank.

From:  To:

Group
  Series
  Friend
  Speaker

From:  To:

From:

To:

From:  To:

Group
 

ⓘ
Sep
▼
2013
ⓧ

	Su	Mo	Tu	We	Th	Fr	Sa
Ta	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30					

There are four checkboxes under the time filter which are "Group", "Series", "Friend"

and “Speaker”. When click on “Group” or “Series”, there will be a pop-out which will display all the groups and series you have joined. When click on “Friend” or “Speaker”, there will be an input area for users entering a certain name and autocomplete function also applied.

Group  Series  Friend  Speaker

### Groups You Joined ×

**Select All**

Intelligent Systems Program       Human-Centered Computing

### Series You Subscribed ×

**Select All**

HCII Seminar Series

To:

Series  Friend  Speaker

Friend's Name

Click to Search Friend

To:

Friend  Speaker

Speaker's Name

Click to Search Speaker

To:

Friend  Speaker

Speaker's Name

**Peter Brusilovsky**

## **Conclusion and Future Work**

The home page looks nicer than before right now. It is also well designed and user friendly. Users can now view the home page more efficiently by clicking on the dot to slide the sliders. The navigation bar is easy to navigate users where to go no matter which part on the page the users are at and the users can go to top easily by clicking the icon. When browsing the home page, users can know who send a friend request and what notification they receive by viewing the top right corner. For the notification page, users can browse all the notifications they have received and they can also filter the notifications by many methods.

In the future, we plan to expand the function of the notification and also add some new divisions on the right side of the home page.