

PRL News Posts

A collection of PRL Project related news.

These news items, posted through Jim's Blog, also are featured on the www.nurprl.org home page feed.



PRL Website Update

Jim Entwood posted on Jul 27, 2012

PRL Website Update

Today we launched a major update for the PRL Project website. The update includes a new look and navigation as well as new content.

We have added:

- a [knowledge base](#) of all articles, math library books, and seminar presentations
- several [new publications](#)
- a formalized synthesized version of [2/3 Consensus](#)
- a formalization in Nuprl of [Moessner's theorem](#)

What do you think?

We are looking for feedback, edits and comments. Please take a moment to complete our [quick survey](#) or send comments by email to je277@cornell.edu.

Thanks!

PRL Project Team



Seminar July 12 - Intuitionistic Ancestral Logic

Jim Entwood posted on Jul 09, 2012

PRL Seminar July 12: *Intuitionistic Ancestral Logic*

Join us on Thursday July 12 at noon for a PRL Seminar from Liron Cohen.

Liron will present her current work on Intuitionistic Ancestral Logic.

Details

Thurs. July 12
In Upson 5126
From Noon - 1PM

Summary

I will (informally) present a work in progress with Robert Constable on intuitionistic Ancestral Logic (iAL). We define iAL as an extension of iFOL, and illustrate its expressive power by relating it to omega logic with equality. A constructive proof for its consistency is given by showing that all provable formulas are realizable. The computational capabilities of iAL derive from the realizer for the computational induction principle over the transitive closure of a binary relation. I will show some examples of non-provable theorems of classical AL which turn out to be provable in iAL thanks to the realizers.



Seminar - Recent Work with Coq

Jim Entwood posted on May 11, 2012

PRL Seminar for Today (5/11)

Recent Work with Coq

Presented by Mark Reitblatt

- Friday Noon-1:00PM
- Meet in Upson 215
- [seminar](#)



[No PRL Seminar Today](#)

[Jim Entwood](#) posted on May 04, 2012

There will be no PRL Seminar today.

Join us next week (5/11/12) for Mark Reitblatt's presentation of his recent work in Coq.

- [seminar](#)



[Seminar Apr 20 - Adding Shared Memory to the General Process Model](#)

[Jim Entwood](#) posted on Apr 19, 2012

PRL Seminar for Friday April 20

Adding Shared Memory to the General Process Model

Presented by: Jason Wu

- Friday Noon-1:00PM
- Meet in Upson 215

- [seminar](#)



[Apr 13 Seminar - Impredicative vs Predicative Type Theory](#)

[Jim Entwood](#) posted on Apr 11, 2012

We will discuss impredicative vs predicative type theory. Bob will give an introduction and Mark will describe some new work he just finished and Rich Eaton is implementing to make it easier to manage the restrictions imposed by predicative theories like the computational type theory (CTT) of Nuprl.

Friday Apr 13 Noon-1:00PM

Meet in Upson 215

- [seminar](#)



[No PRL Seminar Fri \(Apr 6\)](#)

[Jim Entwood](#) posted on Apr 05, 2012

With a grant deadline pending we're cancelling PRL Seminar this week.



[No Seminar Fri \(Mar 30\)](#)

[Jim Entwood](#) posted on Mar 28, 2012

ACSU is holding their student/faculty lunch this Friday (3/30) so we've not holding the PRL Seminar.

We'll meet again the following week April 6.

- [seminar](#)



[New EventML Page](#)

[Jim Entwood](#) posted on Mar 26, 2012

The EventML page has moved to www.nuprl.org/software/ From this page we will post updates to the software and expanded tutorials and publications.

- [eventml](#)
- [software](#)



[No PRL Seminar March 16](#)

[Jim Entwood](#) posted on Mar 14, 2012

There will be no PRL Seminar this Friday (3/16/12).

Have a good spring break. We'll meet again on March 30.

- [seminar](#)



[PRL Seminar Mar 9 - Reviewing Nuprl](#)

Jim Entwood posted on Mar 07, 2012

PRL Seminar for March 9

Robert Constable leads a discussion: Reviewing Nuprl

- Friday Noon-1:00PM
- Meet in Upson 215

- [seminar](#)



[No PRL Seminar Mar 2](#)

Jim Entwood posted on Mar 02, 2012

There will be no PRL Seminar today (3/2).

- [seminar](#)



[Feb 24 Seminar-Stronger Role for Recursive Types Needed in the Logic of Events](#)

Jim Entwood posted on Feb 21, 2012

PRL Seminar for Feb 24

Join us 2/24 for a discussion of: Stronger Role for Recursive Types Needed in the Logic of Events

- Friday Noon-1:00PM
- Meet in Upson 215

- [seminar](#)



[No PRL Seminar Feb 17](#)

Jim Entwood posted on Feb 17, 2012

No PRL Seminar this week (2/17/12).

Join us 2/24 for a discussion of: Stronger Role for Recursive Types Needed in the Logic of Events

- [seminar](#)



[Nuprl Book now available in paperback](#)

Jim Entwood posted on Feb 13, 2012

Professor Constable has released a paperback version of Implementing Mathematics with the Nuprl Proof Development System. The book, written in 1985 by the PRL Team, serves as a manual to using the Nuprl system as well as an introduction to formal logic in computer science and its use in program development and verification.

The book is available from [Amazon](#) and other retailers.

**Implementing
Mathematics
with
the Nuprl
Proof
Development
System**

R.L. Constable
S.E. Allen
D.M. Brainerd
W.R. Cleaveland
J.F. Crary
R.W. Harper
D.J. Howe
T.R. Shiple
S.E. Heule
F. Pfenning
J.T. Smith
S.J. Smith