Repository Refresh: A new theme for repository.iit

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This year, repository.iit, Illinois Tech's institutional repository, was given its first significant visual redesign since its launch in 2012. The new theme is based on the Mirage2 theme developed by Atmire, and it offers substantial, though sometimes subtle, visual and functional upgrades for users of the repository. Some of the new features and advantages of Mirage2, as well as some of the challenges it presented, are detailed below.

	♠ repository.iit > Community List		
	Communities in repository.iit	Search RROWSE	
	Select a community to browse its collections.	repository.iit	
	Administrative Documents and other materials from IIT administrative units.	Communities & Collections	
	Course Materials Course Materials includes IIT-related course materials, including course documents,	By Issue Date	
	syllabi, and course videos.	Authors Titles	
-	+ Library and Archival Collections Library and archival digital collections	Subjects	
	+ Life at IIT	By Department	
<	Community documents life and culture at IIT. Research	MY ACCOUNT My Exports	
	IIT Research, past & present	Logout	
	Institute for Food Safety and Health (IFSH) Research conducted by IIT's Institute for Food Safety and Health	Profile	
	Chemical Constituents and Allergens Platform	Submissions	
	Research conducted by the IFSH's Chemical Constituents and Allergens Platform	CONTEXT	
	Food Microbiology Platform	Create Community	
	 Research conducted by the IFSH's Food Microbiology Platform Food Processing and Packaging Platform 	ADMINISTRATIVE Control Panel	
	Research conducted by the IFSH's Food Processing and Packaging Platform	Statistics	
	+ Health Promoting Foods Platform	Curation Tasks	
	Research conducted by the IFSH's Health Promoting Foods Platform	Access Control People	
	Data Repository Graduate Student Publications, Pre-prints, and Posters	Groups	
	Publications, pre-prints, and posters created by Illinois Institute of Technology's graduate students.	Authorizations	
	Laboratory Safety	Content Administration	
	Master's Projects	ltems Withdrawn Items	
	This collection documents IIT Master's degree projects. Patents	Private Items	
	Patents related to the IIT community	Import Metadata	
	Professional Publications, Pre-prints, and Presentations Professional Publications and presentations authored and created by IIT	Batch Import (ZIP)	
	staff and faculty.	Registries	
	Theses and Dissertations A collection of all IIT student theses and dissertations.	Metadata Format	
	Undergraduate Research		
	Undergraduate research		
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Sano, Shin

Metadata

Abstract

Show full item record

substantially upright position

A robotic cane may include a grip handle, a cane body extending from the grip handle at a first end, a motorized omni-directional wheel coupled to a second end of the cane body, a balance control sensor, and a controller module. The balance control sensor provides a balance signal corresponding to an orientation of the robotic cane. The controller module

may receive the balance signal from the balance control sensor and calculate a balancing velocity of the motorized omni-directional wheel

based at least in part on the balance signal and an inverted pendulum control algorithm. The controller module may further provide a drive signal to the motorized omni-directional wheel in accordance with the calculated

balancing velocity. The calculated balancing velocity is a speed and direction of the motorized omni-directional wheel to retain the robotic cane in an

- image content in the coming year

- Mirage2 allowed us to more faithfully match the look and feel of the new Galvin web site and the university's site
- The visual style of the entire repository has been modernized to be more in line with contemporary web design practices -- the original Mirage theme already looked dated when it was released in 2010
- Mirage2's use of Compass and Bootstrap makes site-wide theming more streamlined and means that changing a single variable can alter elements across the site (theme colors, fonts, etc.)
- Collapsible collection and community hierarchies make the organization of repository. iit clearer to users, and allow more fluid browsing between different levels of the repository structure
- In modernizing the display of the user/administrative menus, Mirage2 made their structure less coherent; one of the main challenges of the redesign work was finding a way to counteract this as much as possible

responsive theme, meaning that for the first time, the layout of repository.iit I on the size of the viewer's screen for ease of use on mobile devices

etween the steps of the item submission workflow is now easier, as is the review nent processes within the submission workflow

8. A subtle change in the item view layout gives more prominence to the item thumbnail and decreases the textual density of the page, which will come in handy as we deposit more

The new item view in Mirage2 is one of the theme's only big weaknesses to me, but a redesign of the item pages and better use of page space would have been too time-intensive and delayed the launch of the new theme

repository.iit.edu

repository.iit	Adam Stroh	^m • ≡	
♠ repository.iit > Research > Data Repository > Item	submission		
Item submission		-	
Describe Describe Upload Review CC License	e License Complete		
Review Submission			
Describe Item			
Authors: Doe, John			
Title: Test Item 2			
Date of Content Issue: 1987			
Date of Digital Creation: 2016			
Type: Dataset			
Subject Keywords: datasets			
Department Affiliation: CS / Computer Science			
Correct one of these			
Describe Item			
Original Format: Other			
Correct one of these			
Upload File(s)			
test_mixed_records_update.csv - Unknown unknown			
test_mixed_records_update.csv - Unknown unknown			
Correct one of these			