

EVENTS

LONIR has held more than 80 training events to educate students and professionals on its tools and technologies.

General Education	A diffusion tensor imaging tractography algorithm based on Navier-Stokes fluid mechanics	IEEE International Symposium on Biomedical Imaging: From Nano to Macro. [Platform presentation]	9/3/2009
General Education	3D Surface Matching with Mutual Information and Riemann Surface Structures	8th IASTED International Conference on Computer Graphics and Imaging (CGIM)	8/16/2005
General Education	Imaging Disease Progression with Applications to Drug Trials	UCLA Center for Neurotherapeutics, Day of tutorial lectures	8/30/2005
General Education	Analyzing Brain Images from Large Human Populations, Seminars in Biomedical Engineering	Johns Hopkins University School of Engineering and Center for Imaging Science, Whiting School of Engineering, Baltimore, MD	9/28/2005
General Education	Analyzing Brain Images from Large Human Populations	Biomedical Engineering Society (BMES2005), Johns Hopkins University	9/29/2005
General Education	Mapping Brain Development with MRI	Child Neurology Society (CNS), Symposium on Structural Neuroimaging	9/30/2005
General Education	Imaging the Developing Brain– Can We See Signs of Risk for Illness	10th Annual Review of Psychiatry, Semel Institute, 10th Annual Review of Psychiatry, Semel Institute, UCLA	10/28/2005
General Education	Mapping Disease & Genetic Effects on the Brain by Imaging Human Populations	Society for Neuroscience One-Day Short Course, Washington, DC	11/11/2005
General Education	Mapping Brain Changes in Alzheimer’s Disease, Development and Schizophrenia	Alzheimer’s Disease Research Center, Dept. Neurology, UPMC	12/19/2005
General Education	Computational analysis of multi-modal, multi-species neuroimaging data	First International Workshop on Neuroimaging and Genomics	5/8/2005 - 5/14/2005
General Education	Image Repository and Processing System	Autism Neuroimaging Special Interest Group	8/8/2005 - 8/9/2005
General Education	National Centers for Biomedical Computing	National Library of Medicine Board of Regents Meeting	9/20/2005 - 9/21/2005
General Education	National Centers for Biomedical Computing: Informatics Enabling Biomedical Research	American Medical Informatics Association’s Annual Symposium	10/24/2005
General Education	Mapping the Structure and Function of the Brain: Where we are and where we want to be	8th International Conference on Medical Image Computing and Computer Assisted Intervention – Keynote	10/26/2005 - 10/30/2005
General Education	Mapping the Structure and Function of Brain	Center for the Integration of Medicine and Innovative Technology (CIMIT) Forum, Harvard University, Boston, MA	11/8/2005
General Education	Mapping the functions of the human brain: A look ahead	2006 Worldwide Education and Research Conference, New York, NY	3/6/2005 - 3/9/2005

General Education	Visualizing Multimodality Brain Atlases of Mice and Men	Scientific Visualization Symposium, University of Montana	4/18/2006
General Education	Mapping the Structure and Function of Brain: Where we are and where we want to be	Radiology Grand Rounds, Wake Forest University School of Medicine	4/19/2006
General Education	Introduction to Brain Mapping and Neuroimaging	Winter Quarter, 2006	Winter 2006
General Education	Mapping the Structure and Function of Brain: Where we are and where we want to be	Lawrence Berkeley National Laboratory Seminar, Berkeley, CA	12/12/2006
General Education	Mapping Brain Development	Einstein Autism Symposium honoring Dr. Isabelle Rapin, New York	12/19/2006
General Education	Optical Imaging	2007 SRS Primer of Sleep Research: Focus on Brain Imaging and Sleep	2/9/2007
General Education	Mapping the Structure and Function of the Brain: Where we are and where we want to be	Association for Research in Otolaryngology (ARO) National Meeting	2/10/2007 - 2/15/2007
General Education	Brain Mapping in the Study of Epilepsy	Curing Epilepsy 2007: Translating Discoveries into Therapies	3/29/2007 - 3/30/2007
General Education	Time-Lapse Mapping Reveals Different Disease Trajectories in Schizophrenia Depending on Antipsychotic Treatment	Guest Speaker, Neuroprotection Advisory Board, Hosts: John Hayes MD (Vice President, Lilly Research Labs) and Jeffrey Lieberman MD	11/28/2006
General Education	Visualizing Brain Changes in Aging and Dementia	American College of Neuropsychopharmacology (ACNP)	12/7/2006
General Education	Imaging Normal and Abnormal Brain Development with MRI	American Society for Adolescent Psychiatry (ASAP)	3/9/2007
General Education	Development of the Brain	Royal Academy of Sciences (KNAW), Amsterdam, The Netherlands	5/9/2007
General Education	Brain mapping using deformation morphometry, information theory and diffusion tensor imaging	UCLA Institute of Pure and Applied Mathematics (IPAM)	5/25/2007
General Education	3D and 4D MR imaging of aging and dementia: principles and pitfalls	Alzheimer's Association	6/9/2007
General Education	Brain mapping using deformation morphometry, information theory and diffusion tensor imaging	Research Triangle Park, North Carolina	7/10/2007
General Education	ISBI'2009 Shape Training Workshop and	We are organizing a special session on Shape Analysis to train ISBI 2009 participants	6/28/2009
General Education	OHBM	Neuroimaging Solutions: A Hands-on Training Course for Data Processing, Analysis & Interpretation using the LONI Pipeline	6/17/2009
General Education	SIAM Imaging Science Meeting	We organized a special session on Brain imaging as part of the SIAM Imaging Science Meeting	7/7/2008 - 7/11/2008

General Education	LONI/IPAM Summer School: Mathematics in Brain Imaging	A two-week intensive workshop focusing on mathematical techniques applied to brain images to measure, map and model brain structure and function.	7/14/2008-7/25/2008
General Education	Neuroimaging Solutions: A Hands-on Training Course for Data Processing, Analysis & Interpretation using the LONI Pipeline	This course provided the necessary training to employ any of the available Pipeline library of modules and workflows. Attendees learned how to design new pipeline workflows by using existent modules or by introducing new module descriptors. Specific neuroimaging workflows (e.g., tissue segmentation, cortical surface processing, etc.) were demonstrated hands-on during the workshop.	6/17/2009
General Education	LONI Pipeline Training	Present the new features and improvements in Pipeline Version 5.0 to a wide variety of users	4/8/2010 - 4/9/2010
General Education	ISBI Shape Analysis Training Workshop	This tutorial was aimed at researchers in shape analysis methodology as well as clinical researchers interested in applying these methods in applications.	6/28/2009
General Education	Discriminative Learning for Medical Imaging	The goal of this tutorial was to provide a comprehensive assessment of discriminative learning techniques used for medical imaging applications such as anatomical structure detection and segmentation, image categorization, etc.	9/24/2009
General Education	Neuroimaging workflow tools training	2010 American Psychological Society Meeting	5/27/2010
General Education	Loma Linda Iniversity Training	10 investigators from LLU visited LONI for neuroimaging training	8/30/2010
General Education	Deutsche Forschungsgemeinschaft Visit	12 investigators from the German Research Foundations visited LONI for training	3/3/2011
General Education	Pipeline Hands-On Training Day	A hands-on training course for data processing, analysis & interpretation using the LONI Pipeline	5/21/2012
General Education	University of Ljubljana Visit	Investigators from University of Ljubljana visited LONI for neuroimaging training	3/19/2012
General Education	Brain Week Awareness	Students toured LONI and learned about brain atlasing, computational brain modeling and the impacts of neurodegenerative diseases.	3/12/2012
General Education	Dan Hall/NDAR/NIH Visit	Dan Hall visits to meet with LONI doctors and present demo from National Database for Autism Research.	3/12/2013

General Education	LONI OHBM 2013 Workflows Education Course	Training workshop in Seattle on pipeline infrastructure for large-scale Neuroinformatics, common computational pipeline protocols, and computational neuroimage processing protocols.	6/16/2013
General Education	Pipeline Demo Day	A hands-on training course for data processing, analysis & interpretation using the LONI Pipeline	2/19/2016
General Education	Scientific Knowledge Discovery over Big Data	Presented by the Big Data for Discovery Science Center, a series of tutorials and presentations on the development of modern data processing workflows to accommodate “big data”	11/17/2016
K-12 Education	St. Paul 6th Grade Students’ Visit	We hosted 60 St. Paul middle school students and introduced them to the basics of how do we study the brain and why.	3/26/2007
K-12 Education	Buckley Students’ Visit	We hosted Buckley School high-school students and presented to them the mathematical and engineering challenges in neuroscience research, as well as showed them mouse brain modeling techniques.	4/24/2007
K-12 Education	National Young Leadership Forum (NYLF)	35 student members of the NYLF visited LONI to learn about Parametric Modeling, Wavelets, Tensors, Pipeline, Mathematical Modeling, Multiple Sclerosis and Schizophrenia.	6/27/2007
K-12 Education	National Young Leadership Forum (NYLF)	About 35 student members of the NYLF will be visiting LONI to learn about our modeling techniques for studying the human brain in health and disease.	6/26/2008
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K-12 Education	Brentwood School visit to LONI	40 student members from the Brentwood School in Los Angeles visited LONI to learn about Parametric Modeling, Wavelets, Tensors, Pipeline, Mathematical Modeling, Multiple Sclerosis and Schizophrenia.	4/18/2011
K-12 Education	National Young Leadership Forum (NYLF)	About 35 student members of the NYLF visited LONI to learn about our modeling techniques for studying the human brain in health and disease.	6/28/2012
K-12 Education	Warner School visit to LONI	40 student members from the Warner School in Los Angeles visited LONI to learn about Parametric Modeling, Wavelets, Tensors, Pipeline, Mathematical Modeling, Multiple Sclerosis and Schizophrenia.	5/25/2012
K-12 Education	National Young Leadership Forum (NYLF)	About 25 student members of the NYLF were given presentation on research and neuroimaging training.	6/28/2012
K-12 Education	K-12 Training: Homeschool Children	Students were given presentation on neuroimaging training to learn about our modeling techniques for studying the human brain in health and disease.	3/21/2013
K-12 Education	National Young Leadership Forum (NYLF)	About 25 student members of the NYLF were given presentation on neuroimaging training to learn about our modeling techniques for studying the human brain in health and disease.	6/27/2013
K-12 Education	Vietnam/Iraq Substance Abuse Scholars Visit	Visitors given a presentation on research, the LONI Pipeline developments, Computational Brain Modeling.	6/7/2012 and 6/15/2012
K-12 Education	2016 Los Angeles Brain Bee (sponsor)	Brain Bees are designed to test high school students' knowledge of the human brain including such topics as intelligence, emotions, memory, sleep, vision, hearing, sensations, Alzheimer's disease, Parkinson's disease, stroke, schizophrenia, epilepsy, depression, addictions and brain research.	Fall 2016
Undergraduate and Graduate Education	LONI/Math Summer graduate student research fellowships	We will supported 2 mathematics graduate students as fellows over the Summer	Summer 2009
Undergraduate and Graduate Education	NS IDP Training	We trained two groups of 20 Neuroscience Inter-departmental Program graduate students	2/23/2009

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Undergraduate and Graduate Education	Vietnam/Iraq Substance-Abuse Scholars	Scholars studying substance-abuse visit LONI to discuss computational brain modeling and the LONI Pipeline.	6/7/2012 and 6/15/2012
Undergraduate and Graduate Education	NS IDP Training	We trained two groups of 20 Neuroscience Inter-departmental Program graduate students	2/13/2012 and 2/27/2012
Undergraduate and Graduate Education	Azusa Pacific University Visit	About 20 Shanghai Teacher Training Program visitors were given presentation on neuroimaging training to learn about our modeling techniques for studying the human brain in health and disease.	7/23/2012
Undergraduate and Graduate Education	2012 LONI-CS Intense/ Heterogeneous Computation Collaboration	LONI Doctoral staff discuss LONI Computational Challenges, CS Domain Specific Applications, and Grant Applications.	8/9/2012
Undergraduate and Graduate Education	2012 ARCS Foundation Visit	30 ARCS Foundation visitors visited LONI for neuroimaging training.	11/13/2012
Undergraduate and Graduate Education	Bertrand Thirion's Visit	Bertrand Thirion visited and met with LONI's doctors to discuss spatial regularization and sparsity for brain mapping.	12/3/2012
Undergraduate and Graduate Education	Jing Zhang's Visit	Jing Zhang visited for presentation on Bayesian inference.	12/6/2012
Undergraduate and Graduate Education	UCLA NS IDP Recruits Visit	About 25 Neuroscience Inter-departmental Program recruits were given an introductory presentation on research, the Pipeline Workflow Environment, and Computational Brain Modeling.	2/11/2013 and 2/25/2013

Undergraduate and Graduate Education	2013 LONI-CS Collaboration with Tyson Condie	Tyson Condie presents his work on Big Data analytics tool for and received Pipeline Demo.	2/20/2013 and 3/7/2013
Undergraduate and Graduate Education	CSUMS Training	35 undergraduates of different California colleges and universities attended a LONI training session as part of their Computational Science Training for Undergraduates in the Mathematical Sciences (CSUMS) Program entitled: "Making the Connection: Math in the Real World".	4/25/2008
Undergraduate and Graduate Education	STEM-PLEDGE Training	We hosted 30 students from the STEM-PLEDGE (Science, Technology, Engineering, and Mathematics Providing Leadership & Enhancing Diversity in Graduate Education). STEM-PLEDGE identifies and addresses the barriers that prevent the full participation of groups underrepresented in science, technology, engineering and mathematics graduate programs at UCLA.	5/30/2008
Graduate and Postgraduate Education	Mathematics of Brain Imaging Workshop	We organized a multidisciplinary International workshop on Brain imaging as part of the Image Processing for Random Shapes: Applications to Brain Mapping, Geophysics and Astrophysics Workshop. We awarded 15 fellowships to trainees.	5/21/2007 - 5/25/2007
Graduate and Postgraduate Education	NS IDP Visit/Training	We hosted two groups of 20 Neuroscience Inter-departmental Program graduate students.	2/4/2008 and 3/3/2008
Graduate and Postgraduate Education	Mathematics of Brain Imaging (MBI) Workshop	We organized an International workshop to discuss novel mathematical and engineering techniques for modeling and analysis of brain imaging data.	7/14/2008 - 7/25/2008