Asst. Prof. PELİN ÇİRİŞ

Personal Information

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International Researcher IDs
ORCID: 0000-0002-6405-2462
Publons / Web Of Science ResearcherID: A-2796-2016
ScopusID: 23102174000
Yoksis Researcher ID: 196624

Education

Post Doctorate, Harvard University, Harvard Medical School, Brigham And Women's Hospital, Radiology, United States Of America 2013 - 2015
Post Doctorate, Yale University, School Of Medicine, Diagnostic Radiology, United States Of America 2012 - 2013
Doctorate, Yale University, School Of Engineering And Applied Science, Biomedical Engineering, United States Of America 2008 - 2012
Masters (Non-Thesis), Yale University, School Of Engineering & Applied Science, Engineering And Applied Science, United States Of America 2008 - 2010
Postgraduate, Johns Hopkins University, School Of Engineering, Biomedical Engineering, United States Of America 1998 - 2000
Undergraduate, Purdue University, School Of Electrical And Computer Engineering, Electrical Engineering, United States Of America 1994 - 1998

Foreign Languages

English, C1 Advanced
German, A1 Beginner

Dissertations

Doctorate, Whole-Brain Non-Invasive Absolute Cerebral Blood Volume Quantification During Functional Activation In Humans: Characterizing the Absolute Cerebral Blood Flow And Volume Relationship, Yale University, School Of Engineering And Applied Science, Biomedical Engineering, 2012
Postgraduate, Multiple FOV MR Fluoroscopy, Johns Hopkins University, School Of Engineering, Biomedical Engineering, 2000

Research Areas

Medicine, Health Sciences, Internal Medicine Sciences, Radiodiagnostic, Biomedical Engineering, Biomedical Image Processing, Physics, Interdisciplinary Physics and Related Science and Technology Areas, Biophysics and Medical Physics, Natural Sciences, Engineering and Technology

Academic Positions

Assistant Professor, Akdeniz University, Faculty of Engineering, Biyomedikal Muhendisligi, 2018 - Continues
Assistant Professor, Akdeniz University, Faculty of Engineering, Biyomedikal Muhendisligi, 2013 - 2018

Academic and Administrative Experience

Akdeniz University, Bilim Ve Teknoloji Uygulama Ve Araştırma Merkezi, 2020 - Continues
Akdeniz University, Biyomedikal Teknolojiler Uygulama Ve Araştırma Merkezi, 2018 - Continues
Akdeniz University, Biyomedikal Mühendisliği, 2016 - Continues
Akdeniz University, Biyomedikal Mühendisliği, 2014 - 2020
Akdeniz University, Biyomedikal Mühendisliği, 2014 - 2016

Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Aday degerlendirmesi, Akdeniz Universitesi Biyomedikal Muhendisligi Bolumu, April, 2016

Journal articles indexed in SCI, SSCI, and AHCI

I. **Information theoretic evaluation of Lorentzian, Gaussian, Voigt, and symmetric alpha-stable models of reversible transverse relaxation in cervical cancer in vivo at 3 T**
ÇİRİŞ P.
Magnetic Resonance Materials in Physics, Biology and Medicine, vol.36, no.1, pp.119-133, 2023 (SCI-Expanded)

II. **Accelerated Segmented Diffusion-Weighted Prostate Imaging for Higher Resolution, Higher Geometric Fidelity, and Multi-b Perfusion Estimation.**
Aksit Ciris P., Chiou J. G., Glazer D. I., Chao T., Tempany-Afdhal C. M., Madore B., Maier S. E.
Investigative radiology, vol.54, pp.238-246, 2019 (SCI-Expanded)

III. **Image Registration to Compensate for EPI Distortion in Patients with Brain Tumors: An Evaluation of Tract-Specific Effects**
Albi A., Meola A., Zhang F., Kahali P., Rigolo L., Tax C. M. W., Ciris P., Essayed W. I., Unadkat P., Norton I., et al.
JOURNAL OF NEUROIMAGING, vol.28, no.2, pp.173-182, 2018 (SCI-Expanded)

IV. **Dual-Pathway Sequences for MR Thermometry: When and Where to Use Them**
Ciris P., Cheng C., Mei C., Panych L. P., Madore B.
MAGNETIC RESONANCE IN MEDICINE, vol.77, no.3, pp.1193-1200, 2017 (SCI-Expanded)

V. **Automated white matter fiber tract identification in patients with brain tumors**
O'Donnell L. J., Suter Y., Rigolo L., Kahali P., Zhang F., Norton I., Albi A., Olubiyi O., Meola A., Essayed W. I., et al.
NEUROIMAGE-CLINICAL, vol.13, pp.138-153, 2017 (SCI-Expanded)

VI. **Characterizing gradient echo signal decays in gynecologic cancers at 3T using a Gaussian augmentation of the monoexponential (GAME) model**
ÇİRİŞ P., Balasubramanian M., Damato A. L., SEETHAMRAJU R. T., Tempany-Afdhal C. M., Mulkern R. V., Viswanathan A. N.
JOURNAL OF MAGNETIC RESONANCE IMAGING, vol.44, no.4, pp.1020-1030, 2016 (SCI-Expanded)

VII. **Characterization of gradient echo signal decays in healthy and cancerous prostate at 3T improves with a Gaussian augmentation of the mono-exponential (GAME) model**
Ciris P., Balasubramanian M., SEETHAMRAJU R. T., Tokuda J., Scalera J., Penzkofer T., Fennessy F. M., Tempany-Afdhal C. M., Tuncali K., Mulkern R. V.
NMR IN BIOMEDICINE, vol.29, no.7, pp.999-1009, 2016 (SCI-Expanded)

VIII. **Noninvasive MRI Measurement of the Absolute Cerebral Blood Volume-Cerebral Blood Flow Relationship During Visual Stimulation in Healthy Humans**
Ciris P., Qiu M., Constable R. T.
MAGNETIC RESONANCE IN MEDICINE, vol.72, no.3, pp.864-875, 2014 (SCI-Expanded)

IX. **Non-Invasive Quantification of Absolute Cerebral Blood Volume During Functional Activation Applicable to the Whole Human Brain**
Ciris P., Qiu M., Constable R. T.
MAGNETIC RESONANCE IN MEDICINE, vol.71, no.2, pp.580-590, 2014 (SCI-Expanded)

X. **Navigated DENSE strain imaging for post-radiofrequency ablation lesion assessment in the swine left atria**
Schmidt E. J., Fung M. M., Ciris P., Song T., Shankaranarayanan A., Holmvang G., Gupta S. N., Chaput M., Levine R. A., Ruskin J., et al.
EUROPACE, vol.16, no.1, pp.133-141, 2014 (SCI-Expanded)

XI. **O-Space Imaging: Highly Efficient Parallel Imaging Using Second-Order Nonlinear Fields as Encoding Gradients With No Phase Encoding**
Stockmann J. P., Ciris P., Galiana G., Tam L., Constable R. T.
MAGNETIC RESONANCE IN MEDICINE, vol.64, no.2, pp.447-456, 2010 (SCI-Expanded)

XII. **Evaluation of Diffuse Myocardial Fibrosis in Heart Failure With Cardiac Magnetic Resonance Contrast-Enhanced T-1 Mapping**
Iles L., Pfluger H., Phrommintikul A., Cherayath J., Aksit P., Gupta S. N., Kaye D. M., Taylor A. J.
JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY, vol.52, no.19, pp.1574-1580, 2008 (SCI-Expanded)

XIII. **Cardiac magnetic resonance myocardial strain assessment by Displacement Encoding with Stimulated Echo (DENSE): A comparative study with myocardial tagging**
Tzemos N., Aksit P., Gupta S., Schmidt E., Mallett O., Jerosch-Herold M., Kwong R.
EUROPEAN HEART JOURNAL, vol.29, pp.118, 2008 (SCI-Expanded)

XIV. **Tracking planar orientations of active MRI needles**
Sathyanarayana S., Aksit P., Arepally A., Karmarkar P. V., Solaiyappan M., Atalar E.
JOURNAL OF MAGNETIC RESONANCE IMAGING, vol.26, no.2, pp.386-391, 2007 (SCI-Expanded)

XV. **Deconvolution-interpolation gridding (DING): Accurate reconstruction for arbitrary k-space trajectories**
Gabr R. E., Aksit P., Bottomley P. A., Youssef A. M., Kadah Y. M.
MAGNETIC RESONANCE IN MEDICINE, vol.56, no.6, pp.1182-1191, 2006 (SCI-Expanded)

XVI. **Multiple field of view MR fluoroscopy**
Aksit P., Derbyshire J., Serfaty J., Atalar E.
MAGNETIC RESONANCE IN MEDICINE, vol.47, no.1, pp.53-60, 2002 (SCI-Expanded)

XVII. **Toward MR-guided coronary interventions**
Serfaty J., Yang X., Aksit P., Solaiyappan M., Atalar E.
RADIOLOGY, vol.217, pp.422, 2000 (SCI-Expanded)

XVIII. **MRI-guided coronary artery intervention**
Serfaty J., Yang X., Quick H., Aksit P., Atalar E.
CIRCULATION, vol.102, no.18, pp.510, 2000 (SCI-Expanded)

XIX. **Toward MRI-guided coronary catheterization: Visualization of guiding, catheters, guidewires, and anatomy in real time**
Serfaty J., Yang X., Aksit P., Quick H., Solaiyappan M., Atalar E.
JOURNAL OF MAGNETIC RESONANCE IMAGING, vol.12, no.2, pp.590-594, 2000 (SCI-Expanded)

Articles Published in Other Journals

I. **Organ-Specific Recommendations for Increasing Temperature- To-Noise Ratio of Magnetic Resonance Thermometry Using Dual-Pathway Sequences at 1.5T, 3T, and 7T during Guidance of**

Thermal Therapies
ÇİRİŞ P.
Akdeniz Tıp Dergisi, vol.6, no.2, pp.209-218, 2020 (Peer-Reviewed Journal)

Books

I. **Acquisition Methods: MRI and fMRI Optimizations and Applications**
ÇİRİŞ P., Constable R. T.
in: Brain Mapping: An Encyclopedic Reference,, Toga A., Editor, Elsevier Science, Oxford/Amsterdam , San Diego, Ca, pp.183-190, 2015

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Three-point method for fast and robust field mapping for EPI geometric distortion correction**
Aksit P., Derbyshire J. A., Prince J. L.
4th IEEE International Symposium on Biomedical Imaging, Darlington, United Kingdom, 12 - 15 April 2007, pp.141-143, (Full Text)

Funded Projects

ÇİRİŞ P., Other International Funding Programs, Assessing validity of MRI T2* hypoxia measurement in cervical cancer, 2014 - 2015

Activities in Scientific Journals

JOURNAL OF MAGNETIC RESONANCE IMAGING, Editor, 2015 - Continues

Metrics

Publication: 22
Citation (WoS): 802
Citation (Scopus): 803
H-Index (WoS): 7
H-Index (Scopus): 8

Congress and Symposium Activities

Seventh National Image Guided Therapy Workshop, Session Moderator, Massachusetts, United States Of America, 2014

Scholarships

Image Guided Therapy Fellowship, University, 2013 - Continues
Neuroimaging Sciences Training Fellowship, University, 2012 - Continues
Yurtdisi Lisans ve Yuksek Lisans (istenirse Doktora), Ministry of Education, 1994 - Continues
Lisans, University, 1993 - Continues

Awards

ÇİRİŞ P., Magna Cum Laude Award (Gynecological cancers), International Society for Magnetic Resonance in Medicine, June 2015

ÇİRİŞ P., Magna Cum Laude Award (Prostate cancer), International Society for Magnetic Resonance in Medicine, June 2015

ÇİRİŞ P., PhD Candidacy Awarded With Distinction, Yale University, February 2012

ÇİRİŞ P., Travel Grant for Top 25 Papers, IEEE, International Symposium on Biomedical Imaging, June 2007

ÇİRİŞ P., Melvin Judkins Young Investigator Award, American Heart Association, June 2007

ÇİRİŞ P., Academic Honors and Dean's Lists, Purdue University, May 1998