

EDUCATION

Ph.D. in Film Studies

2010, University of St Andrews, Scotland, UK.

Dissertation: “Changing Pleasures of Spectatorship: Early and Silent Cinema in Istanbul”

M.A. in Radio-TV and Cinema

2004, Istanbul University, Istanbul, Turkey

Dissertation: “Urban Representations in Contemporary Turkish Cinema”

B. A. in Radio-TV and Cinema

2001, Istanbul University, Dissertation: “Cinema, Urban Life and Modernity”

EMPLOYMENT

2020-Present Assistant Professor in Film Design Department at Ankara Bilim University, Turkey

2020-Present Editor at *5Harfliler* (Website for Feminist Writing, Art, Culture and Politics)

2010-2020 Assistant Professor in Film-TV Department at Istanbul Şehir University, Turkey.

2006-2009 Tutor in Film Studies at University of St Andrews, UK.

2001-2005 Teaching Assistant at Bahçeşehir University, Turkey.

TEACHING

- *September 2010-Present at Istanbul Şehir University (Assistant Professor):* “Cinema Spectatorship” (graduate programme in Cultural Studies), “Cinema and Modernity” (graduate programme in Cultural Studies), “Key Concepts in Moving Image Studies”, “Film History”, “New Ways of Seeing”, “Film Theory” (undergraduate programme in Film and TV), “Film Genres”, “Silent Cinema”, “Cinema and Consciousness” (graduate programme in Cultural Studies and Cinema and TV), Early History of World Cinemas (graduate programme in Cinema and TV)
- *2006- 2009 at University of St Andrews (Tutor):* “Key Concepts in Cinema”, “Film History and Historiography”, (first year in Film Studies).
- *Summer 2007 at Istanbul Bilgi University, Summer School (Lecturer):* “Film History” (second year in Film and TV).
- *2004-2005 at Bahcesehir University (Lecturer):* “Film Criticism and Analysis”, “Sight, Soun and Motion” (fourth year and second year in Film and TV).
- *2001- 2005 at Bahcesehir University (Tutor):* “Graduation Projects”, “Film History”, “Film Theory”, “Scriptwriting”, “Sight, Sound, Motion”, “Key Issues in Film Studies”, “Art, Culture and Society”, “The Art of Storytelling”, “Graduation Projects”, “TV Production” and “Film Culture” (various levels at Film and TV).

PUBLICATIONS

Articles in Peer-Reviewed Journals

- “Kaybederim Ben Kendimi Filmin Gidişinde’: Nazım Hikmet’te Sinema İzleği” *Yeni Türk Edebiyatı Dergisi*, Sayı: 12, Ekim 2015.
- Islam, Consciousness and Early Cinema: Said Nursî and the Cinema of God”, in *Film-Philosophy*, special issue on Film-Philosophy and a World of Cinemas, ed. David Martin-Jones, Volume 20 Issue 1 (2016).
- “Transience, Absurdity, Dreams and Other Illusions: Turkish Shadow Play” in *Early Popular Visual Culture*, Special Issue on the Silent Cinema in the Middle East and North Africa, ed. Kaveh Askari, Vol. 6, No. 2. (2008): pp. 171-185.

Chapters in Books

- “Münevverler Harikalar Sinemasında: İstanbul’da Sinema Deneyimleri-On Dokuzuncu Yüzyıl Sonu-Yirminci Yüzyıl Başı” (in English: “Intellectuals at the Cinema of Wonders: Cinema Experiences in Istanbul at the turn of the century”), in *Türk Film Araştırmalarında Yeni Yönelimler VIII* (“New Approaches to Turkish Film Studies VIII”), ed. Deniz Bayraktar, (İstanbul: Bağlam Yayınları, 2015).
- “Imagining Women at the Movies: Male Writers and Early Film Culture in Istanbul”, in *Doing Women’s Film History: Reframing Cinemas, Past and Future*, eds. Christine Gledhill and Julia Knight (Urbana, Chicago and Springfield: University of Illinois Press, 2015).
- “Between Karagöz and Cinema: Connectivity, Mobility, Collectivity”, in *Performing New Media 1890-1915*, eds. Kaveh Askari, Frank Gray, Tami William and Joshua Yumibe (London and New York: Indiana University Press, 2014).
- “Early Cinema in Turkey: a Transnational History?” in *Directory of World Cinema: Turkey*, ed. Eylem Atakav (Bristol, Chicago: Intellect, 2012).
- “Wondrous Pictures in Istanbul: From Cosmopolitanism to Nationalism” in *Early Cinema and the “National”*, eds. Richard Abel, Giorgio Bertellini, Rob King, (New Barnet: John Libbey Publishing, 2008).
- “Film İmgelerinin Göçü” (in English: “The Migration of Film Images in Contemporary Turkish Cinema”) in *Türk Film Araştırmalarında Yeni Yönelimler V* (“New Approaches to Turkish Film Studies V”), ed. Deniz Bayraktar Sevgen (İstanbul: Bağlam Yayınları, 2006).

Short Articles in Film Journals and Books

- “Sinema Sevgilim”, *Altyazı*, Haziran 2020.
- “Bakışın Cinsiyeti ve Çoğulluğu”, *Altyazı*, March-Nisan 2020.
- “Perdehan”, *Altyazı Gayriresmi ve Resimli Dünya Sinema Sözlüğü*, eds. Fırat Yücel, Senem Aytaç, May 2018.
- “Benshi”, *Altyazı Gayriresmi ve Resimli Dünya Sinema Sözlüğü*, eds. Fırat Yücel, Senem Aytaç, May 2018.
- “Renklendiriciler”, *Altyazı Gayriresmi ve Resimli Dünya Sinema Sözlüğü*, eds. Fırat Yücel, Senem Aytaç, May 2018.
- “Gölge Oyunu”, *Altyazı Gayriresmi ve Resimli Dünya Sinema Sözlüğü*, eds. Fırat Yücel, Senem Aytaç, May 2018.

- “Mecralar-Arasılık”, *Altyazı Gayriresmi ve Resimli Dünya Sinema Sözlüğü*, eds. Fırat Yücel, Senem Aytaç, May 2018.
- “Harikalar Sineması”, *Altyazı Gayriresmi ve Resimli Dünya Sinema Sözlüğü*, eds. Fırat Yücel, Senem Aytaç, May 2018.
- Feminist Sinema Tarihçiliği (in English: Doing Feminist Film History) in *Altyazı* (Istanbul: September 2017)
- “Germaine Dulac ve Gecede Kadın” (in English: “Germaine Dulac and Women at Night”) in *Altyazı* (Istanbul: April, 2017)
- “Everyday Life in a Syrian Village (1976) in *Lola Journal*, Issue 7, ed. Adrian Martin (online), 2016.
- “Behlül Sinemada” (in English: “Behlül at the Movies,”) in *Altyazı’nın Türkiye Sinema Sözlüğü* (Istanbul: Boğaziçi Üniversitesi Mithat Alam Film Merkezi, 2015)
- “*Bican Efendi Vekilharç*” (in English: “*Bican Efendi the Steward*” dir. Sadi Fikret Karagözoğlu, Turkey, 1921), in *Altyazı’nın Türkiye Sinema Sözlüğü*, (Istanbul: Boğaziçi Üniversitesi Mithat Alam Film Merkezi, 2015).
- “*Binnaz*” (in English: *Binnaz* dir. Ahmet Fehim, Turkey, 1919), in *Altyazı’nın Türkiye Sinema Sözlüğü* (Istanbul: Boğaziçi Üniversitesi Mithat Alam Film Merkezi, 2015).
- “Gezi Parkı” (in English: Gezi Park), in *Altyazı’nın Türkiye Sinema Sözlüğü*, (Istanbul: Boğaziçi Üniversitesi Mithat Alam Film Merkezi, 2015).
- “*Pera Palas*” (in English: Pera Palace), in *Altyazı’nın Türkiye Sinema Sözlüğü*, (Istanbul: Boğaziçi Üniversitesi Mithat Alam Film Merkezi, 2015).
- “Pera Sirki” (in English: Pera Circus), in *Altyazı’nın Türkiye Sinema Sözlüğü*, Istanbul: Boğaziçi Üniversitesi Mithat Alam Film Merkezi, 2015).
- “Pina Menikelli” (in English: Pina Menichelli), in *Altyazı’nın Türkiye Sinema Sözlüğü* (Istanbul: Boğaziçi Üniversitesi Mithat Alam Film Merkezi, 2015).
- “Sabahat Filmer” (in English: Sabahat Filmer), in *Altyazı’nın Türkiye Sinema Sözlüğü* (Istanbul: Boğaziçi Üniversitesi Mithat Alam Film Merkezi, 2015).
- “Sine-Pist” (in English: “Cine-Ring”), Canan Balan, s. 179, *Altyazı’nın Türkiye Sinema Sözlüğü* (Istanbul: Boğaziçi Üniversitesi Mithat Alam Film Merkezi, 2015).
- “Sponeck Birahanesi” (in English: “Sponeck Beerhall”), in *Altyazı’nın Türkiye Sinema Sözlüğü* (Istanbul: Boğaziçi Üniversitesi Mithat Alam Film Merkezi, 2015).
- “Zaman Eski Filmlere Nazik Davranmadı” (in English: “Time Was Unkind to Old Movies”, in *Hayal Perdesi* (Istanbul: April 2012).
- “Bandit”, in *World Film Locations: Istanbul*, ed. Özlem Köksal (Bristol: Intellect, 2011).
- “Sinema Bir Medyum Olarak Başlangıcından Beri Ulusaşırı” (in English: Cinema has been Transnational since the Beginning), in *Hayal Perdesi: Istanbul*, (Istanbul: Ocak 2011).

Film Reviews in Festival/Biennial Catalogues

- Interview with the Istanbul Silent Film Days, in the Catalogue of Istanbul Silent Film Days, eds. Aslı Ozgen Tuncer, Nagehan Uskan (Istanbul: 2018).

- “Silent Film and Meditation” in the catalogue of Bahar Sharjah Biennial, ed. Zeynep Öz (Istanbul: 2017).
- “*Fior Di Male* (Nino Oxilia, 1915, Italy)” in the Catalogue of Istanbul Silent Film Days, eds. Can Koç, Nagehan Uskan (Istanbul: 2016).
- “Women Pioneers of Cinema and *Shoes*” in the Catalogue of Istanbul Silent Film Days, eds. Can Koç, Nagehan Uskan (Istanbul: 2016).
- “An Ottoman Feminist visits Pordenone” in *Le Giornate Del Cinema Muto 2007: the Collegium Papers IX*, eds. David Robinson, Luca Giuliani (Gemona: Cineteca del Friuli, 2009).

Translations

- Translation from English to Turkish; published in *Seyir*, (Istanbul: May 2004, No: 1) “Cinematic Spectatorship before the Apparatus: The Public Taste for Reality in Fin-de-Siecle Paris”, originally written by Vanessa Schwartz.

PRESENTATIONS

Invited Talks and Lectures

- “Sessiz Sinemanın Öncü Kadınları” lecture series to be delivered at Sessiz Sinemanın Öncü Kadınları Panel and Film Screenings, Beykoz Kundura, Istanbul, 7-8 March 2020.
- “Pre-Cinema in Turkey” lecture delivered at a Film History class at University of Skövde, September 2019
- “Film History, Women and the Fragmented/Lost Films in Turkey”, New Histories of Cinema, Forgetting the Archive, International Symposium Istanbul Şehir University, Istanbul, November 2018.
- “İstanbul’da Sessiz Sinema ve Kamusal Alan” (in English: Silent Cinema and the Public Sphere in Istanbul), SAM Yuvarlak Masa Toplantıları, BISAV, February 2018.
- “Silent Cinema and the Emergence of Modern Woman”, Opening Panel at Istanbul Silent Cinema Days, Istanbul, December 2015.
- “Uluslar, Medyalar ve Metinler Arasında Sinema: Birinci Dünya Savaşı ve İşgal Yıllarında İstanbul’da Sinema Hayatı (in English: Cinema between Nations, Media and Texts: The Cinema in Istanbul during the World War I and Occupation), Bilim ve Sanat Vakfı, Istanbul, December 2014
- “Evini Arayan Filmler: Lütü Akad’ın İstanbulu” (in English: Films that are looking for Homes: Istanbul of Lütü Akad), invited speaker for Imagining Istanbul Conference, Istanbul Araştırmaları Enstitüsü, November 2014.
- “Understanding Turkish Cinema” for Understanding Turkey Lecture Series, Istanbul Şehir University, January 2013.
- “A Cinema of Frustration: Representations of Alevi Massacres in Modern Turkey”, Invited Lecturer for the Social Mobility Graduate Course, the Graduate Institute of Geneva, Switzerland, March 2013.
- “Literary Reflections of the Cinematic Consciousness”, Invited speaker for the Middle East and the First Modern Globalization Workshop, The Hebrew University of Jerusalem, Jerusalem, January 2012.

- “New Show in the City: Moving Pictures, Moviegoers, and the Responses of the Ottoman Intellectuals ”, Invited Talk, Center for Middle Eastern Studies at Harvard University, Cambridge, USA, March 2011.
- “Torn Is the Curtain: Shadow-play in the Late Nineteenth-Century Istanbul”, Lecture for Ottoman History Postgraduate Students at Harvard University, Cambridge, USA, March 2011.
- “Urban Spectatorship in Istanbul of the *Belle Époque*” and “Transformation of Urban Spectatorship Transformation of the Public Space: Silent Cinema in Istanbul”, Lectures for Postgraduate Students and Open Talks, Bilgi University, Istanbul, Turkey, March 2010.
- “Silent Cinema in Istanbul: The Rendezvous Place of the High Society”, Invited Talk, University of St Andrews, St Andrews, UK, January 2010.

Conference Papers

- “Women Pioneers in the Early Film Culture in Turkey”, Women and the Silent Screen X, Eye Filmmuseum, Netherlands, May 2019.
- “The Emergence of Vamp in the Cinema of Turkey”, 12th seminar on the History and Origins of Cinema, Museu del Cinema, Girona, March 2019.
- “Looking from the Rooftops Down: Nostalgia, Trance and Eco-Feminism”, NECS, University of Amsterdam, Netherlands, June 2018.
- “A Woman Novelist and Cinema in the Early Turkish Republic”, Doing Women’s Film History IV, University of Southampton, UK, May 2018.
- “The Life and Work of a Woman Film Pioneer from a Society in Transition: Sabahat Filmer”, Women and Silent Screen Conference IX, Shanghai Theater Academy, China, June 2017.
- “Marxism, Gender and Poetry: Nazım Hikmet’s Writings on Early Film Culture in Turkey”, Women and Silent Screen Conference, University of Pittsburgh, USA, September 2016.
- “Islam, Death and Early Cinema: Film as Metaphor in the Teachings of Said Nursi”, Early Cinema in the Balkans and the Near East Conference, Hellenic Open University, Greece, June 2015.
- “Islam, Early Cinema and Consciousness”, Film-Philosophy Conference, Glasgow, UK, June 2014.
- “Nazım Hikmet’te Sinema İzleği” (in English: “Themes of Cinema in Nazım Hikmet”), Vatan, Dünya ve İnsanlık Şairi Nazım Hikmet, Bilkent University, Ankara, Turkey, November 2013.
- “Representing the Underrepresented or the Cinema of Frustration”, NECS Conference (European Network for Cinema and Media Studies), Prague, Czech Republic, June 2013.
- “Early Multimedia Performances in Istanbul in the Late Nineteenth-Century”, Domitor Conference, University of Brighton, Brighton, UK, June 2012.
- “Cinema Between Resistance and Surrender: Silent Films in Istanbul During and After the Great War”, Middle East Studies Association Conference, Washington DC, USA, December 2011.
- “Ottoman Women as Movie-Goers”, Doing Women’s Film History Conference, University of Sunderland & Women’s Film History Network, Sunderland, UK, April 2011.
- “The Reception of the Cinematograph by the Ottoman Intelligentsia”, Society for Cinema and Media Studies Conference, New Orleans, USA, March 2011.

- “Is Seeing Believing?: Documentary Projections on/of the Alevi Image”, Visible Evidences, Bogazici University, Istanbul, Turkey, August 2010.
- “Curiosity or Cynicism: Ottoman Intellectuals Visit the Living Pictures”, Turk Film Arastirmalarinda Yeni Yonelimler, Kadir Has University, Istanbul, Turkey, May 2010.
- “*Joan of Arc*, Burning a Cinematic Heretic”, Film Studies Postgraduate Study Day on Costume Dramas, University of St Andrews, St Andrews, UK, May 2009.
- “Cinema of War and Occupation in Istanbul: A Silent Resistance?”, Film Studies Postgraduate Conference, University of St Andrews, St Andrews, UK, May 2009.
- “The Metaphysics of the Eye: Understanding Ottoman Spectatorship in the Pre-Cinematic Era”, 10th International Domitor Conference, Museu del Cinema, the Cinémathèque Euro-régionale-Institut Jean Vigo, in collaboration with the Filmoteca de Catalunya, the Universitat de Girona, Spain and France, June 2008.
- “Shadows and Dreams: Spectatorship Culture in the Ottoman Empire”, “Cinematicity” 1895: Before and After Conference, University of Exeter, UK, March 2007.
- “The Screen of Dreams: Pre-Cinema and the Public Sphere in Istanbul” Society for Cinema and Media Studies Conference, Chicago, USA, March 2007.
- “As the Train Arrives: Promotion and Receptions of the First Films in Turkey”, 9th International Domitor Conference, University of Michigan, Ann Arbor, USA, June 2006.
- “The Reception of the Cinematograph in Istanbul, between Turkists, Westernists and Islamists”, Film Studies Postgraduate Conference, University of St Andrews, St Andrews, UK, May 2006.
- “Reading Film Stars of the 1960s: Turks, Europeans and Hollywood”, From Westernization to the European Union: Modernization, Cinema and Spectacle,” International Conference, Bahcesehir University, Istanbul, Turkey, June 2005.
- A Panel Talk on “The Representation of the Vampires in Digital Media”, Vampires from Dark Ages to Digital Age Panel, Bahcesehir University, Istanbul, Turkey, May 2005.
- “*Karacaoglan’s Melancholy*: The Patriarchal Characteristic of the Turkish National Cinema Movement of the 1960s”, New Approaches on Turkish Film Studies Conference, Bahcesehir University, Istanbul, Turkey, June 2004.
- “The Loss of Cityscapes in Turkish Cinema”, 9th International Cultural Studies Symposium, Ege University, Izmir, Turkey, May 2004.
- “Broken Clocks, Veiled Memories: the Use of Time in the cinema of David Lynch”, Media and Communications Postgraduate Studies Conference, Bahcesehir University, Istanbul, Turkey, March 2004.
- “The Migration and Transformation of Film Images in Turkish Cinema”, Turkish Film Studies Conference, Bahcesehir University, Istanbul, Turkey, July 2003.
- “Body and Vision in the Age of Digital Reproduction: *Vanilla Sky* and *Minority Report*”, Media and Communications Postgraduate Conference, Bahcesehir University, Istanbul, Turkey, March 2003.

Curatorship

- “Silent Cinema and Meditation: Abyss”, Istanbul Silent Cinema Days V, December 2018”.
- “Silent Cinema and Meditation: Embodied Spectatorship”, Istanbul International Experimental Film Festival, Soho House, Istanbul, November 2018.
- “Silent Cinema and Meditation: Colour, Movement and Meditation”, Istanbul Silent

Cinema Days IV, Akbank Sanat, December 2017

- “Silent Cinema and Meditation: Dreams and Fairytales” in Collaboration with Istanbul Silent Cinema Days at Bahar Sharjah Biennial, Istanbul, April 2017.

SERVICE

- **2019-Present** Chair of the Steering Committee for Women and Film History International Organization
- Member of the Advisory Board for *SineCine*, an international peer-reviewed journal of Film Studies, Turkey, September 2010-Present.
- Article Referee, *SineCine*, *Film-Philosophy*, *Early Popular Visual Culture*, *Türkiye İletişim Araştırmaları Dergisi*, *İLEF Dergisi*, *Bilim ve Sanat Vakfı*, *İnsan ve Toplum Dergisi*.
- Festival Advisor, Istanbul Silent Cinema Days V, Istanbul, December 2018
- Jury Member, Istanbul International Experimental Film Festival, November 2018
- Organization Committee, “Sessiz Sinemanın Öncü Kadınları”, Beykoz Kundura, March 2020.
- Organization Committee, “New Histories of Cinema: Forgetting the Archive”, Istanbul Şehir University, November 2018.
- Organization Committee, “Early Cinema in the Middle East and the Near East Conference”, Hellenic Open University, Athens, Greece, June 2015.
- Organization Committee, Turkish Film Studies Conference XVI, Kadir Has University, Turkey, May 2015.
- Organization Committee “Cinematic Landscapes of the Ottoman World” Istanbul Şehir University, Istanbul, Turkey, October 2014.
- “Indian Cinema Study Day”, University of St Andrews, UK, May 2007.
- Organization, Film Studies Postgraduate Conference, University of St Andrews, UK, May 2006.
- Organization Committee, “Cinema Conference 2005: From Westernization to European Union: Modernity, Cinema and Viewing, Bahcesehir University, Turkey, June 2005.
- Organization Committee, “Vampires from Dark Ages to Digital Age”; Film Screenings and Panel, Bahcesehir University, Turkey, April 2005.
- Organization Committee, Turkish Film Studies Conference VI, Bahcesehir University, Turkey, June 2004.
- Organization, “Films, Cultures and People: Israeli Films Week” including film screenings and seminars on Israeli Cinema, Bahcesehir University, Turkey, November 2003.
- Organization Committee, Turkish Film Studies Conference V, Bahcesehir University, Turkey, July 2003.
- Organization Committee, Turkish Film Studies Conference IV, Bahcesehir University, Turkey, July 2002.

Thesis Supervision

- Sara Tujani, MA in Cinema and TV programme at Istanbul Şehir University, “Representation of Women in Albanian Cinema under the Communist Rule”, in progress.
- Onur Yavuzoğlu, MA in Cinema and TV programme at Istanbul Şehir University, “Death and Digital Cinema”, in progress.

- Seda Analı, MA in Cultural Studies programme at Istanbul Şehir University, “Cryonics/Cryopreservation in Cinema and its Corelation with Biopower, Biopolitics and Necropolitics”, in progress.

Fellowships, Grants

- Educational Grant, the Hammond Trust, UK, Summer 2009.
- Educational Grant, Leche Trust, UK, Summer 2009.
- Welfare Grant, University of St Andrews, UK, Summer 2009.
- Full Scholarship (Including tuition fee and maintenance), University of St Andrews, UK, 2005-2009.
- Travel Grant, 25th and 26th Le Giornate del Cinema Muto, ITALY, Summers of 2006 and 2007.
- Research and Travel Grant in Macedonian Film Archive, AHRC, UK, Summer 2006.
- Travel Grant for Domitor Conference, University of Michigan, USA, Summer 2006.

Affiliations

- Chair & Member at Large, Steering Committee, Women and Film History International, 2019.
- Membership, International Doing Women’s Film History, 2011-Present.
- Membership, the Society for Cinema and Media Studies, 2006-2011.
- Membership, NECS (International Network for Cinema and Media Studies), 2013-2014.
- Membership, the International Society for the Study of Early Cinema: Domitor, 2006-2013.
- Collegian, le Giornate del Cinema Muto, Italy, 2006-2008.

Positions of Responsibility

- Chair of the Steering Committee for Woman and Film History International.
- Member of the University Board for the Library at Istanbul Şehir University, 2013-Present.
- Responsible for the Curriculum of Film and Television Department at Istanbul Sehir University, Turkey, September 2010-Present.
- Responsible for the Double Major and Minor Programs at Film and Television Department at Istanbul Sehir University, Turkey, October 2010-Present.
- Faculty Coordinator for the ERASMUS programme at Istanbul Şehir University, 2010-2013.
- Postgraduate Students Representative at the Film Studies Department at University of St Andrews, UK, 2006-2007.
- Assistance to the Cinema-TV Studies Graduate Program and the ERASMUS program within the Faculty of Communications at Bahcesehir University, Turkey, 2004-2005.

FILMOGRAPHY

- Writer for the feature length documentaries entitled *Ask Olsun*, (a visual anthropology project on a religious minority, called “Alevi” in Turkey); *Canlar* (sequel to the project on the Alevi belief), and *Evliya Çelebi* (a historical documentary on a seventeenth-century Ottoman traveler) made by Nurdan Arca for Ajans 21, Istanbul, Turkey, 2009-2010.
- Writer for the feature length documentary, *Inspirations* (a historical documentary about a fifteenth century Ottoman mystic, rebellious and jurist called Şeyh Bedreddin), made by Nurdan Arca for Ajans 21, Istanbul, Turkey, 2003-2006.

LANGUAGE SKILLS

- Turkish: Native.
- English: Fluent.
- French: Reading knowledge.
- Ottoman Turkish: Reading knowledge.