

AREF MAKSOU

Architect , Studies manager /Dr. Assistant Professore

Email. aref@maksoud-architects.com

Website. www.maksoud-architects.com

University of Sharjah / Architectural engineering Department – college of engineering.

EDUCATION

PhD (Architecture) Parametric design and digital fabrication / 2017

Univesrtitat Internacional de Catalunya (UIC), Escola Superior De'Arquitectura, EsArq_UiC .
Barcelona - Spain

Master (Architecture) of Biodigital Architecture / 2008

Univesrtitat Internacional de Catalunya (UIC) - Master of Parametric design and digital fabrication - School of Architecture of Barcelona (ESARQ), Univesrtitat Internacional de Catalunya -UIC

Bachelor's Degree in Architecture / 2006

Damascus University – Syria - Faculty of Architecture / graduate as top 5 students.

Parametric - Technology

Specializes in contemporary, digital parametric design and the use of Strategies and Digital tools in Architecture, expert in digital fabrication technologies. With interest and knowledge in biomimetic design.

I am a professional authorized tutor by McNeel Company (Robert McNeel & Associates– United States - Seattle) to teach Generative tools: Rhinoscript, Grasshopper Rhino scripting, etc.

Experienced operating knowledge in architectural design and parametric digital tools.

Academic Experience

Assistant Professor / [September 2019 – now](#)

University of Sharjah / Architectural engineering Department – college of engineering.

Researcher and Visiting Assistant Professor / [January 2010 – 2018](#)

Universitat Internacional de Catalunya (UIC). School of Architecture (ESARQ), Barcelona.
Biodigital Architecture Master and PhD Programme.

Coordinator and Visitor professor of the Creative Art In Architecture's subject / [2009 – 2017](#)

AIU "Arab International University" Faculty of architecture, Damascus-Syria.

Coordinator and Visitor professor of the CAD/CAM's subject / [January 2009 – 2012](#)

AIU "Arab International University" Faculty of architecture, Damascus-Syria.

Guest Assistant Professor / [2012](#)

AIU "Arab International University" Industrial Design Department / Faculty of fine arts.

Teaching

Graduate Teaching / [2009 - 2017](#)

Workshop Instructor at Master and PHD programme in biodigital architecture: Information Systems in Architecture workshop. School of Architecture of Barcelona. Universitat Internacional de Catalunya (UIC). Director: Prof. Alberto Estevez. Barcelona.

Studio Instructor. Master and PHD programme in biodigital architecture: Studio Genetic Architectonical design. School of Architecture of Barcelona. Universitat Internacional de Catalunya (UIC). Director: Prof. Alberto Estevez. Barcelona.

Undergraduate Teaching / [2009 - 2017](#)

ERASMUS Assistant Professor. XIII INTERNATIONAL ARCHITECTURAL WORKSHOP - GIOIA DEI MARSII - L'AQUILA / L'Aquila, / [2017](#)

Workshop Instructor (visitor) / [2013](#)

Ain Shams University / Architecture Faculty / Cairo. XO-Tech Emotion international workshops.

Workshop Instructor (visitor) / [2012](#)

Escola Superior de Disseny i Enginyeria de Barcelona.

Research and Teaching interests

Research Director / 2015

Title: Future Skyscrapers

Collaborator: McNeel (Robert McNeel & Associates— United States) in Middle East. part of Biodigital Master and PHD program, EsArq - UiC (Universitat Internacional de Catalunya), Spain.

Ref.: <http://maksoud-architects.com/en/Project228/Future-Skyscrapers-2015---MAGLAB-Academic-Research>

Research Associate / 2015

Title: MAGLAB Wearable 3D Printed jewelry.

Collaborator and partner: MAG "Maksoud Architectural Group". Client: MAGLAB.

Ref.: <http://maksoud-architects.com/en/Project222/MAGLAB-Wearable-3D-Printed-jewelry-%7C-2015>

Research Associate / 2015

Title: The Continuum Research.

Description: Parametric design and digital Fabrication; the main purpose of the research was to explore the relationship between parametric design and digital fabrication and biological manufacturing, as structural system. Client: MAGLAB.

Ref.: <https://www.facebook.com/media/set/?set=a.1085686628108536.1073741843.230366343640573&type=3>

Research Director / 2014

Title: The Equilibrium / MAGLAB Research Pavilion - Moscow, Russia Team: MAGLAB Team. Client: MAG "Maksoud Architectural Group".

Ref.: <http://maksoud-architects.com/en/Project230/The-Equilibrium--MAGLAB-Research-Pavilion---Moscow,-Russia>

Research Director / 2013

Title: Kukkia;Kine-Tech Research of responsive folding fashion collections. Architecture Faculty of AIU. "Arab International University".

Ref.: <http://maksoud-architects.com/en/Project211/Kukkia-MAG-LAB-Kine-Tech-Folding-Fashion-Research>

Research Associate / 09/2009 - 09/2012

Title: Skyscripting Project, School of Architecture of Barcelona. Universitat Internacional de Catalunya (UIC). (Spain).

Collaborator and partner: Prof. Alberto Estevez. Client: City of Barcelona.

Description: Bio-mimicking Research Project: in collaboration with DDr. Prof. Alberto T Estevez, (biomimetic skyscraper in Barcelona Sea) Real time responsive and adaptable structural system.

Ref.: <http://albertotestevez.blogspot.com/2014/01/bio-digital-architecture-genetics.html>

Research Director / 2012

Title: Haute Contour /Hot Contour.

Description: Haute Couture meets parametric design, When couture meets contour. Collaborator and partner: MAG "Maksoud Architectural Group". Client: MAGLAB.

Ref.: <http://maksoud-architects.com/en/Project212/Haute-Contour--Parametric-Fashion-Research-2012>

Research Director / 2010 - 2011

Title: Wind Language – Real scale Responsive Façade System.

Team: MAGLAB Team. Client: MAG "Maksoud Architectural Group".

Ref.: <http://maksoud-architects.com/en/Project171/Wind-language>

Research Director / 2011 Title: Tabubble – Landscape element. Description: Built project explores the conceptual idea of mapping performances in the urban scene. Collaborator and partner: MAG "Maksoud Architectural Group". Client: MAGLAB. Ref.: <http://maksoud-architects.com/en/Project170/Tabubble>

Publications

BioDigital architecture and Genetics book / 2015

ARQUITECTURA BIODIGITAL Y GENÉTICA, escritos.

BIODIGITAL ARCHITECTURE & GENETICS, By Alberto T.Estevez. . P.147. P.162. P. 183. P.199. P.240. P241.

Aref Maksoud At AAcadia / 2010

Author:Alberto T. Estévez; Biogenetic Architecture, Universitat Internacional de Catalunya, Barcelona - Spain.

Ref.:https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=3&cad=rja&uact=8&ved=0ahUKEwj4gdvkg-DJAhXIPBQKHZ-vCLQQFggrMAI&url=http%3A%2F%2Fwww.sapub.org%2Fglobal%2Fshowpaperpdf.aspx%3Fdoi%3D10.5923%2Fs.arch.201402.02&usg=AFQjCNHrzNLvnt3H9TdEKZClu8Akn43n4A&sig2=hOAq_bOXgzz6e4ckWkipQw&bvm=bv.110151844,d.d24

Genetic architecture 3 book / 2009

New bio and digital techniques, book edited by Alberto Estevez, Niel Leach, Dennis Dollens, Bernard Cache, Agusti Fontarnau, Josep Corco, Mcheal Hensel, Judith Urbano, Behrokh Khoshnevis. Barcelona. P.21. P.30 P.91. P. 198. P.199. P203.

Biennale Beijing 2008 Book / 2008

(Im) material Processes – New digital techniques for architecture.

Ref.: <http://maksoud-architects.com/en/News75/MAG-LAB-in-Architecture-Biennale-Beijing-2008-Book>

Journal Articles

Arkinet Italian Magazine - Ephemeral / 2010

Taller Internacional En Sicilia.

Newspaper - Mostrid – itally / September 2010 .

International Online Magazines

suckerPUNCH daily / USA-Europe / 2008 - 2012

Ref.: <http://www.suckerpunchdaily.com/tag/aref-maksoud/>

MAGLAB (aref MAKSOUD) at FORMAKERS Europe-Italy / September 2012

Haute Contour Research Project.

Ref.:<http://www.formakers.eu/project-619-aref-maksoud-maglab-haute-contour>

Journal Publishing and Reviewer / 2010 - 2011

Co- Editor for the workshops and researches part of IBDAAT Magazine.

Decree No. 5019, Ibdatt Magazine Established in 2003, Contains 140-160 pages. Published in Arabic language and includes general brief in English. (www.ibdaat-sy.com). Editorial-Research Department: MAG LAB "Materials - Advanced Architecture - Generative Laboratory"

IBDAAT Magazine has published Aref's workshops and researches in 8

Issues Issue 1. 2010. Biodigital master workshops. Barcelona, Spain. Issue 2.

2010. Creative Art in architecture. Damascus, Syria.

Issue 3. 2010. Biodigital master workshops. Barcelona, Spain.

Issue 4. 2010. Digital Obsession -Parametric design workshops. Damascus, Syria.

Issue 1. 2011. Digital Obsession Workshops, Damascus, Syria.

Issue 2. 2011. Creative Art in architecture "real scale Installations". Damascus, Syria.

Issue 3. 2011. CAD/CAM workshops at AIU. Damascus, Syria.

Issue 4. 2011. BIODIGITAL master workshops. Barcelona, Spain.

Conferences and exhibitions

Speaker at Biodigital-Genetic architecture conference - Barcelona, Spain / May 2011- June 2017

.International conference. 2011, 30th May until 3rd June - 2017, 7th until 9th June

Ref.: <http://maksoud-architects.com/en/News71/Biodigital-Genetic-architecture---International-conference>

Speaker at Biodigital-Genetic architecture conference - Barcelona, Spain / June 2017

.International conference. 2017, 7th until 9th June

Ref.: <http://maksoud-architects.com/en/News71/Biodigital-Genetic-architecture---International-conference>

Speaker at Biodigital Architecture and Parametric Design conference / September 2011

Damascus, Syria. 12th September 2011.

Ref.: <http://maksoud-architects.com/en/News77/BiodigitalArchitecture-and-Parametric-Design-conference---Middle-East->

International festival for architecture and media, Florence – Italy / 2009

"Beyondmedia 2009"spot on schools exhibition, features the work of Architect Aref Maksoud in "genetic architecture-tensigrity Barcelona tower" at the Biodigital architecture Master "ESARQ – 2008".

Seminars

Key Speaker at MIND LAND SOCIETY International seminar 29, 30, 31 May and First of June; 2018, Barcelona

Key Speaker at Architects Talk – Alexandria Library "Alexandria - Egypt) / 15 February- 2013

Speaker at SIMAE International Conference and symposium in Barcelona, Spain / 2008

Official Training Courses Attended / 2009

Professional Training at McNeel (Robert McNeel & Associates– United States) to be an Authorized tutor by MCNeel company "Seattle – USA" to teach Generative tools: RhinoScript, Grasshopper Rhino scripting, etc.

Scientific events, Training workshops

SYRIAN PAVILION / 2015

Organizing and jury member of SYRIAN PAVILION 2015 / IDEA - DESIGN COMPETITION / Barcelona – Spain.

Ref.: <http://maksoud-architects.com/en/Page35/PRIZES>

Rhino/ Rhinoscript workshops / 2010 - 2015

2010-2015 Aref / as a director of MAG LAB runs official Rhino/ Rhinoscript workshops for McNeel as part of Biodigital Architecture Master and PHD program. / in different countries in Middle East and Europe.

Ref.: <http://maksoud-architects.com/en/Projects/T48/MagLab>

3DStudio MAX/ MAX Script workshops / 2010 - 2015

2010-2015 Aref / as a director of MAG LAB runs official 3DStudio MAX/ MAX Script workshops (5 intensive days each one) for Autodesk RAW "Responsive Architecture Workshops" as part of Biodigital Architecture Master and PHD program. / in different countries in Middle East and Europe. Ref.: <http://maksoud-architects.com/en/Projects/T48/MagLab>

In2space Visiting Workshops / 2012 – 2013 – 2014 - 2015 - 2017

Director and Organizing, Committee Member

04 –13 September 2012 - 2013 Organizing the In 2Space – International Workshop/ Barcelonan, Spain at ESARQ-UIC Universitat Internacional De Catalunya.

Ref.: <http://maksoud-architects.com/en/Project204/In2Space-workshop---Barcelona-2012>

Ref.: <http://maksoud-architects.com/en/Project194/In-2S-pace-%E2%80%93-International-Workshop-September-2013>

XOTech Emotion workshop - Cairo, Egypt / 2013

Director and organizer

February 10/2013 - Organizing the XOTech Emotion workshop - Cairo, Egypt.

Ref.: <http://maksoud-architects.com/en/Project195/XOTech-Emotion-workshop>

"For Your Shoes" FYS Madrid (Spain) / 2011

Member of the Jury board at the International Design Competition "For Your Shoes" FYS Madrid (Spain), 20th October, 2011.

Ref.: <http://maksoud-architects.com/en/News73/MAG-LAB-at-the-International-Design-Competition->

ARC 2010 "Architectural Research Center" / 2010

Organizing, Committee Member Of the International Architectural Competition

ARC 2010 "Architectural Research Center" MAG LAB (Syria-Spain) in collaboration with Ibdatt Magazine (Architectural Creations) - ALFA 301 (Spain) And Stardust* (Spain-Italy-Brazil-USA) was the Organizers of the 2010 International Architectural Competition. Ref.:

<http://maksoud-architects.com/en/News68/Organizinginternational-competition-ARC--Architectural-Research>

Professional Experience

Aref's work experience in Spain-Barcelona, includes "Cloud 9 ", Enric Ruiz Geli, Singapore: DPA Architects, Qatar: Alkhayat Constructing, UK: includes ZAHA HADID ARCHITECTS, where he was a project leader for different projects and competitions to tender documentation.

Principal of MAGLAB (Materials-Advanced Architecture-Generative Laboratory); a design LAB and collaborative research forum engaging the field of architecture via encoded and explicit processes. An internationally renowned architecture and interdisciplinary design firm committed to innovative and contemporary design. The studio's unique cutting edge research into CAD-CAM, computer aided digital design and fabrication technology, new materials and multi-media installations as applied to a range of diverse gallery installations.

Aref is also an authorized tutor by MCNeel company "Seattle – USA" to teach Generative tools in design: Rhinoscript, Grasshopper, Rhino, Kangaroo, ETC, all softwares related to parametric design and MCNeel.

MAG "Maksoud Architectural Group" / 2009 - 2016

Studies Manager MAG "Maksoud Architectural Group" responsible for all initial and final design aspects of projects undertaken by MAG. www.maksoud-architects.com

DPA/ DPA Architects - Qatar - Singapore / 2011

Head of Architectural project and Project Manager of National Qatari park by MAG and DPA/ DPA Architects - Qatar - Singapore (2011)

Ref.: <http://maksoud-architects.com/en/Project132/Doha-Park>

" Atelier fuer Architektur und Forschung" - MAG / 2009

Design Architect working with German landscape Studio " Atelier fuer Architektur und Forschung" and MAG team in Planning and Urban Design the eastern park project (built project) "Damascus, Syria "System research and Parametric scripting and designing the Silk Road (flower road of 2 KM).

Ref.: <http://maksoud-architects.com/en/Project107/Eastern-Park>

Zaha Hadid Architects / 2007

Project leader of project to tender documentation of Syrian parliament competition. Cooperation and collaborative work with MAG and the international Architect Zaha Hadid "Zaha Hadid Architects"

Ref.: <http://maksoud-architects.com/en/Project135/Parliament-with-Zaha-Hadid>

"Cloud 9 ", Enric Ruiz Geli - Barcelona – Spain / 2006

Project Manager "Cloud 9 ", Enric Ruiz Geli - Barcelona – Spain / ZOO Project with MAG.

Ref.: <http://maksoud-architects.com/en/Project130/Cloud9-Barcelona---Zoo-workshop>

Built and work in progress

MAG Tower/ UAE - Dubai [2014](#)

Design Manager "MAG", Maksoud architectural group - MAG Group of Companies UAE

Bentley Villa / Bentley Motors Limited [2014](#)

Design Manager "MAG", Maksoud architectural group - MAG Group of Companies UAE

Kiwan Botanic Garden / [Damascus, Syria 2011](#)

Design Manager "MAG", Maksoud architectural group

Al Sebky Multi Park / Damascus - Syria [2010](#)

Design Manager "MAG", Maksoud architectural group - Qatari Diar Company

Designing national war museum in national Competition-Syria.[First prize - 2009](#)

Design Manager "MAG", Maksoud architectural group / Sustainability and Parametric digital control system development of the museum's facades

Planning and Urban Design the eastern park [2009](#)

Participation with German team and MAG team(Syria) as a Design Manager "MAG", Maksoud architectural group

Skyscraper Project: in collaboration with Dr,Prof,Alberto T Estevez,skyscripting project-[biomimetic 2008 skyscraper in Barcelona sea](#)

Real time responsive and adaptable structural system. Real Time Prototype . development, fabrication (CNC and Fiber Composite) and assembly

UG offices building,first biodigital building [2008](#)

[Damascus-Syria](#)

Project Leader "MAG", Maksoud architectural group

Interior design of Al Qabeda corporation Office in four season [2007 Built Work](#) Participation with MAG team in/Design Manager "MAG", Maksoud architectural group

Planning and Urban Design - landscapes, of different squares in [Damascus 2007](#)

Participation with Breunig Architects – Stuttgart, Germany and MAG team/Project Leader "MAG", Maksoud Architectural group

Architectural design of mall - [Hama -Syria 2007](#)

Project Leader "MAG", Maksoud architectural group

Planning and Urban Design Schemes for A 5 star touristic village. •. [2007- Comoros / Syria](#)

Project leader "MAG", Maksoud architectural group

Damascus zoo / [2006-2007](#)

[Project Leader](#) Manager "MAG", Maksoud architectural group - Participation with MAG team and

cloud 9 team (Spain) in Spain, Syria

Architectural design building of different private villas in countryside of Damascus [Built work 2005-2006](#)

Local and International Competitions

Archtriumph competition Third Prize / 2012

London, United Kingdom – September 25, 2012 – A distinguished judging panel of 8 international professional members announced that (Aref Maksoud), Barcelona - Spain, has won the 3rd place of architectural competition for the design of a dance school / Rio de Janeiro in Brazil.

Ref.: <http://maksoud-architects.com/en/Project210/MAGLAB-Wins-Archtriumph-Competition>

Designing national war museum in national Competition-Syria 2008 - First prize

Design Manager

MAG “, Maksoud architectural group - Damascus – Syria / 2007 . Project with MAG“

Participation with MAG in designing 7 mosques in international Competition

Doha, Qatar 2007 / - 4th prize

Design Manager “MAG “, Maksoud architectural group - Doha – Qatar / 2007

Architectural design of robotic clever parking system

Damascus, Syria 2007 / - First prize

Design Manager “MAG “, Maksoud architectural group - Second clever parking system in middle east. First in Syria

Planning and Urban Design for a(touristic village) competition / Syria At MAG first prize 2006

Design Manager “MAG “, Maksoud architectural group - Damascus – Syria / 2006 . Project with MAG

National 5 star hotel Competition-Syria. / First prize 2006

Design Manager “MAG “, Maksoud architectural group - Damascus – Syria / 2006 . Project with MAG

National 4 star hotel Competition-Syria. / First prize 2006

Design Manager “MAG “, Maksoud architectural group - Damascus – Syria / 2006 . Project with MAG

Participation in a German team and MAG team(Syria)in government Complex competition -Syria 2005

Design Manager “MAG “, Maksoud architectural group - Damascus – Syria / 2006 . Project with MAG

Planetarium National Competition / Damascus at MAG 2004

Design Manager “MAG “, Maksoud architectural group - Damascus – Syria / 2004 . Project with MAG