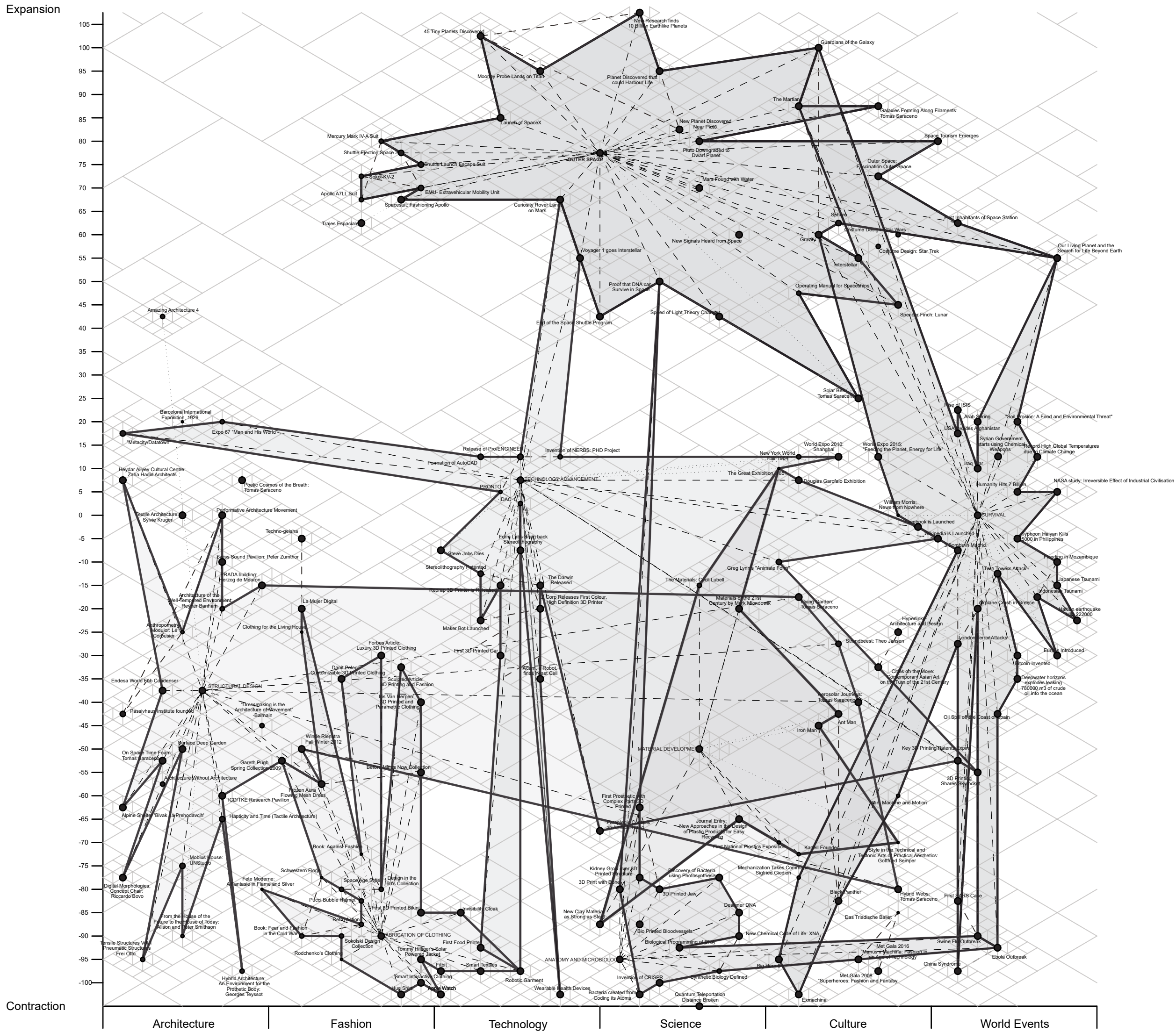


# Wanderers

The expansion of the body and the contraction of habitat produces architecture.



## Architecture

CD/ITKE Research Pavilion, 2012, University of Stuttgart  
 Endesa World Fab Condenser, 2014, Daniel Ibanez, Rodrigo Rubio  
 Surface Deep Garden, 2011, Harvard Graduate School of Design  
 Alpine Shelter 'Bivak na Prehodavcilh', 2013, Premica Architecture  
 Tensile Structures Vol.1 Pneumatic Structures, 1967, Frei Otto  
 From the House of the Future to the House of Today, 1956, Alison and Peter Smithson  
 Hybrid Architecture: An Environment for the Prosthetic Body, 1963, Georges Teyssot  
 Architecture Without Architecture, 1963, Simon Sadler  
 On Space Time Foam, 2012, Tomas Saraceno  
 Passivhaus Institute Founded, 1996, Dr Wolfgang Feist  
 Anthropometry-Modular, 1943, Le Corbusier  
 Architecture of the Well-Tempered Environment, 1969, Reynier Banham  
 PRADA Building, 2002, Herzog de Meuron  
 Performative Architecture Movement, 2000's  
 Textile Architecture, 2009, Sylvie Kruger  
 Poetic Cosmos of the Breath, 2007, Tomas Saraceno  
 "Metacity/Datastown", 1999, MVDVR  
 Amazing Architecture 4, 1963, Archigram  
 Hapicity and Time (Tactile Architecture), 1988, Juhani Pallasmaa  
 Swiss Sound Pavilion, 2000, Peter Zumthor  
 Digital Morphologies, 2008, Riccardo Bovo  
 Heydar Aliyev Cultural Centre, 2007, Zaha Hadid Architects  
 Mobius House, 1998, UNStudio  
 Expo 67 "Man and His World", 1967  
 Barcelona International Exhibition, 1929

## Fashion

Customizable 3D Printed Clothing, 2015, Danit Peleg  
Before Minus Now Collection, 2000, Hussein Chalayan  
Frozen Aura Flowing Mesh Dress, 2013, Zaha Hadid  
Gareth Pugh Spring Collection, 2009, Gareth Pugh  
"Dressmaking is the Architecture of Movement", 1960's, Balmain  
Winde Rienstra Fall Winter, 2012, Winde Rienstra  
Schwestern Flöge, 1918, Klimt and Emilie Flöge  
3D Printed and Parametric Clothing, 2007, Iris Van Herpen  
Space Age Style, 1960's, Andre Courreges  
Against Fashion, 1850, Rodu Stern  
Fear and Fashion in the Cold War, 1960, Jane Pavitt  
Design in the 60's Collection, 1967, Paco Rabanne  
Retro Action, 1967, Pierre Cardin  
Pucci Bubble Helmet, 1969, Emilio Pucci  
Sokoloski Designs Collection, 1970, Melvin Sokoloski  
Mercury Mark IV-A suit, 1961, NASA  
Apollo A7L suit, 1968, NASA  
Shuttle Ejection Space Suit, 1981, NASA  
ACES Advanced Crew Escape Suits, 1994, NASA  
EMU- Extravehicular Mission Unit, 1984, NASA  
Sokol-KV-2, 1971, Russian Space Agency  
Shuttle Launch Escape Suit, 1988, NASA  
Spacesuit: Fashioning Apollo, 2011, Nicholas de Monchaux  
Fête Moderne: Fantasie in Flame and Silver, 1931, Ecole de Beaux-Arts Architects  
Rodchenko's Clothing, 1929, Maiakovskiy  
Smart Interactive Clothing, 2004, Francesca Rosella & Ryan Genz  
Tommy Hilfiger's Solar Powered Jacket, 2014, Tommy Hilfiger  
Hug Shirt, 2002, Cute Circuit  
First 3D Printed Bikini, 2011, Shopeways, Continuum Fashion

## Technology

DAC-1, 1960's, General Motors & IBM  
PRONTO, 1957, Hanraty  
Invention of NERBS (PHD), 1970's, Ken Versprille  
Formation of AutoCAD, 1983, AutoDesk  
Release of Pro/Engineer, 1987, PTC  
Rep-rap Project is Released, 2004, RepRap  
First High Definition Colour Printer, 2005, Z-Corporation  
The Darwin is Released, 2008, Rep Rap  
Stereolithograph is Patented, 1986, Charles Hull  
Maker Bot is Launched, 2009, Makers  
First Food Printer, 2011, Cornell University  
Apple Watch, 2015, Rhiannon Williams  
Fitbit, 2009, James Park  
Smart Textiles, 2018, Rebecca Pales-Friedman  
Invisibility Cloak, 2006, John Pendry  
Adam, a Robot, find Yeast Cell, 2009, Aberystwyth University in Wales  
First 3D Printed Car, 2010, KOR Ecologic and Stratsys  
Steve Jobs Dies, 2011  
End of the Space Shuttle Program, 2011, NASA  
Voyager 1 goes Interstellar, 2013, NASA  
Curiosity Rover Lands on Mars, 2012, NASA  
Launch of SpaceX, 2012, SpaceX  
45 Tiny Planets Discovered, 2008, Michel Mayor  
Mooney Probe Lands on Titan, 2005, NASA  
Wearable Health Devices, 2018, MDPI  
Robotic Garment, 2018, Silicon Valley

## Science

Discovery of Bacteria that uses Photosynthesis, 2007, Dan Bryant

Synthetic Biology is Defined, 1970

Designer DNA, 2017, Christopher Voigt

Biological Programming, 2016, Tanya Lewis

New Chemical Code for Life, 2012, Victor Punheiro, Philipp Holliger

CRISPR gets Invented, 2013, Feng Zhang

NASA estimates 1 billion 'Earths' in our galaxy, 2015, NASA

Planets Discovered that could Harbour Life, 2007, Stéphane Udry

New Planet Discovered Near Pluto, 2005, Palomar Observatory's Samuel Oschin

Pluto Downgraded to Dwarf Planet, 2006, International Astronomical Union

Mars Found with Water, 2010, Carnegie Institution of Washington

New Signals Heard from Space, 2004, Search for Extraterrestrial Intelligence

Proof that DNA can survive in Space, 2014, Oliver Ullrich

Speed of Light Theory Changes, 2004, Oxam Lab

The Materials, 1968, Cecil Lubell

Materials of the 21st Century, 2017, Mark Miondowik

First Prosthetic with Complex Parts 3D Printed, 2008, Xilloc Medical

Kidney Grow over 3D Printed Structure, 2000, Wake Forest Institute for Regenerative Medicine

New Clay Material as Strong as Steel, 2007, University of Michigan

3D Print Bone, 2016, Daniel Kelly

3D Printed Jaw, 2012, layerWise

Bacteria created from Coding Atoms, 2008, J. Craig Venter

Quantum Teleportation Distance Broken, 2012, Xiang Song Ma

New Approaches in the Design of Plastic Products for Easy Recycling, 2014, Petrica Corabieru, Anisoara Corabieru, Dan Dragos Vasilescu

## Culture

Met Gala 2016 "Manus x Machina: Fashion in an Age of Technology", 2016,  
Met Gala 2008 "Superheroes: Fashion and Fantasy", 2008  
The Martian, 2015, Ridley Scott  
Interstellar, 2014, Christopher Nolan  
Black Panther, 2018, Ryan Coogler  
Exmachina, 2014, Alex Garland

Big Hero 6, 2014, Dona Hall & Chris Williams

Gravity, 2013, Alfonso Cuarón  
Guardians of the Galaxy, 2014, James Gunn  
Ant Man, 2015, Peyton Reed  
Iron Man, 2008, Jon Favreau  
Facebook is Launched, 2004  
Das Triadische Ballet, 1923, Oskar Schemmer  
Kartell Founded, 1949, Giulio Castelli and Claudio Lotti  
First National Plastics Exposition, 1946, Society of Plastics Industry  
Style in the Technical and Tectonic Arts or Practical Aesthetics, 1860, Gottfried Semper  
Man, Machine and Motion, 1952, Richard Hamilton  
Aerosol Journeys, 2017, Tomas Saraceno  
Galaxies Forming Along Filaments, 2009, Tomas Saraceno  
Solar Bell, 2013, Tomas Saraceno  
Hybrid Wells, 2013, Tomas Saraceno  
Cities on the Move: Contemporary Asian Art on the Turn of the 21st Century, 1997, Hou Hanru and Hans Ulrich Obrist  
Strandbeest, 1990, Theo Jansen  
Hyperlinks: Architecture and Design, 2010, The Art Institute of Chicago  
Flying Garden, 2005, Tomas Saraceno  
Greg Lynn's "Animate Foam", 1995, Greg Lynn  
News from Nowhere, 1890, William Morris  
World Expo 2015: "Feeding the Planet, Energy for Life", 2015  
World Expo 2010, Shanghai, 2010  
New York World's Fair, 1964  
The Great Exhibition, 1851  
Operating Manual for Spaceships, 1969, Buckminster Fuller  
Spencer Finch: Lunar, 2011, Spencer Finch  
Sphere, 1998, Michael Crichton  
Costume Design: Star Wars, 1977, John Mollo  
Costume Design: Star Trek, 1966, William Ware Theiss

## World Events

China Syndrome, 2007  
Swine Flu Outbreak, 2009  
Ebola Outbreak, 2013  
First SARS case, 2003  
Japanese Tsunami, 2011  
Indonesian Tsunami, 2004  
Flooding in Mozambique, 2000  
Earthquake and tsunami in Japan kills 16000 people, 2011  
Humanity hits 7 Billion People, 2011  
Wikipedia is Launched, 2001  
Twin Tower Attacks, 2001  
3 Bombs go off in Madrid, 2004  
London Terror Attacks, 2005  
Airplane Crash in Greece, 2005  
USA Invades Afghanistan , 2001  
Iraq War, 2003  
Arab Spring, 2011  
Euro is Introduced, 2002  
Bitcoin Invented, 2009, Satoshi Nakamoto  
Oil Spill of the cast of Spain, 2002  
Space Tourism Emerges, 2018, Marc Prossner  
First Inhabitants of Space Station, 2000, Bill Shepherd, Yuri Gidzenko, Sergei Krikalev  
Our Living Planet and the Search for Life Beyond Earth, 2017, NASA  
Record High Global Temperatures due to Climate Change, 2014, NASA  
Irreversible Effect of Industrial Civilisation, 2014, NASA  
Key 3D Printing Patents Expire, 2014  
3D Printing Shares Skyrocket, 2014  
"Soil Erosion: A Food and Environmental Threat", 2006, David Pimentel  
Rise of ISIS, 2014  
Typhoon Haiyan Kills 5000 in Philippines, 2011  
Deepwater horizons explodes leaking 780000 m3 of crude oil into the ocean, 2010  
Syrian Government starts using Chemical Weapons 2013  
Haitian earthquake kills 222000 2010

**Team:**

Bob, Ankita - Carton, Holly - Demeur, Fiona - Pastor Tormo, Jose Isidro - Kuprijanova, Kristine - Naseer, Aishath Nadh Ha

## Theory Seminar / TAK / Theory and Advanced Knowledge

Manuel Gausa  
Jordi Vivaldi Piera  
Mohamad Elatab  
Institute of Advanced Architecture of Catalonia

Legend

—————	Main Constellation
- - - - -	Secondary Constellation
- - - - -	Direct Relationship
.....	Indirect Relationship

- 2000-2020
- 1980-2000
- 1960-1980
- 1940-1960
- Prior to 1940