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**Exploration
Architecture
founder Michael**

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**Pawlyn on Building
biomimicry |
Design for Life |
Dezeen**

Exploring Green
Building and the
Future of
Construction *Book*
Release: Green
Building Illustrated
Triåfabriken - a
sustainable office
building
Abandoned Office

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*Building - Urban
Exploration
Regenerative
Design and Positive
Impact*

*Architecture: Book
Preview 12:*

Biomimetic

Generative

Morphologies for

3D-Printing -

Guerguis et al

EXPLORING

MASSIVE

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**ABANDONED
OFFICE COMPLEX!!
(STUFF LEFT
BEHIND!!)**

*Exuberant
Architecture:
Exploring Late
Modernism through
the Lens of Wayne
Thom* ~~The world is
poorly designed.
But copying nature
helps.~~ *Michael
Pawlyn -*

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*architectural
design Biomimicry*

*- development of
sustainable design*

by Michael Pwaly

*Huge Abandoned
Death-Trap Factory
Exploration*

Biomimicry and

The Future of

Sustainability

**Passive House =
90% Home**

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**Energy Building
Reduction!
Amazing
Technologies
Inspired by
Nature**
**Biomimicry 101 -
Examples Of How
We Copied
Nature** *The Future
of Colonizing
Space- Neil
deGrasse Tyson-
WGS 2018*

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Fashion - Natural
Ventilation Clothing
Inspired by
Termites Ames
Department Store
Final Voicemail
video Explored the
ABANDONED
Lonagberger
basket building in
Ohio *The*
Innovators Using
Nature's Design

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*Principles Building
Green Tech*

Biomimicry and
Business: Interview
with author Margo
Farnsworth

Exploring Nature In
Other Disciplines |
Compilation **Nature
Lab/Biomimicry**

**Tour | RISD
Weekend 2020**

Massive

abandoned

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*Corporate office
building seemingly
stuck in time A
Wider Lens From
Founding to
Funding: Bringing a
Biomimetic Startup
to Market \"/>*

~~The
Promise of
Biomimicry \"/>~~ *The
Soul of Design:
Exploring the
Neuroscience of
Beauty The*

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*Biomimetic Office
Building
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Fire rescue

spokesperson Erika Benitez confirmed that the damage was limited to the building's exterior. The left-leaning government of Greenland has decided to suspend all oil exploration

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*Recovery effort at
collapsed South
Florida condo
building could end
soon*

As a student of
architecture at
Stuttgart
University, Tobias
Becker came up
with the idea of
creating a

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breathing building
facade skin using
transparent solid
sheets of Makrolon
polycarbonate. His
...

*Biomimetic plastic
skin allows building
façade to
“breathe”*

To the citizens of
Hopewell, the Rev.
Curtis West Harris

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was a civil rights
activist who was so
steadfast in his
commitment to
racial justice that
he was arrested 13

...

*Former Hopewell
Mayor Curtis
Harris, who
marched with MLK,
has post office
named after him*

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Dome Technology
is a construction
company that
specializes in
building ...

Richardson was in
office. "It was a
roller-coaster ride,"
South said. The
station was built
with an organic
design that ...

Idaho Falls

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*Company's building
supports
billionaire's space
trip*

Argonne-driven
technology is part
of a broad initiative
to answer
fundamental
questions about
the birth of matter
in the universe and
the building blocks
that hold it all

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together. Building

Exploration
*Curiosity,
technology drive
quest for
fundamental
secrets of the
universe*

President Joseph
Biden and Vice
President Kamala
Harris spoke at the
White House this
afternoon to

Read Free The
Biomimetic
celebrate the
launch of the new
Child Tax Credit
that starts hitting
American's bank
accounts today.

*Biden And Harris
Tout 'Historic' New
Child Tax Credit*
The university's
new lab will focus
on education and
career

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development
opportunities in the
geospatial
technology
industry.

*Harris-Stowe State
University opens
geospatial tech lab
at T-REX incubator
downtown*

In recent days,
however, Cardinal
Robert Sarah, the

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retired head of the
Vatican's liturgy
office and a fierce
supporter ... debris
of a South Florida
condo building are
nearing an end.

*Pope Francis
reimposes
restrictions on
Latin Mass*

Ph.D.-trained
scientists are

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essential Building
contributors to the
workforce in
diverse
employment
sectors that include
academia,
industry,
government, and
non-profit
organizations.
Therefore, best
practices ...

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*Office Building
development
opportunities do
not delay doctorate
training or
publications*

China celebrated
its taikonauts' first-
ever space walk
outside the
country's first
permanent space
station, the
Tiangong

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(“Heavenly Building
Palace”). The
extravehicular
activity marked yet
another major step

...

*China's Space
Program Is More
Military Than You
Might Think*

Harris-Stowe State
University
announced

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Wednesday that it will operate a satellite location for geospatial technology at the T-Rex building downtown. The new lab space will be part of a cooperation ...

Harris-Stowe opens geospatial lab at T-Rex

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General Motors is opening a new advanced design and technology campus in Pasadena; The 149,000 square-foot facility will be located at the corner of Rosemea ...

*General Motors will
open a new design*

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*Office Building
campus in
Pasadena in 2022*
Architecture

You know that ever-important question of “why settle for just one pool when you could have three of them?” Neither do we, but that’s because we’re not the right people to have heard it.

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*Vast 72 Concept
Offers Exceptional
Luxury and 3 Pools,
Because 1 Is Not
Enough*

Vice President
Kamala Harris
delivers remarks at
the start of a
roundtable
discussion on
voting rights for
people living with

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Office Building
Exploration
Architecture
*Former Kamala
Harris staffer sent
a report about the
VP's office
dysfunction to their
therapist: 'Rarely in
life are we publicly
vindicated'*

John Glenn lived a
remarkable life
that brought him
fame, adoration

Read Free The Biomimetic Office Building and awe and set the gold standard for public service. Architecture

*Ohio native son
and American hero
John H. Glenn Jr.
born 100 years ago*
N.Y., announced
party members had
reached agreement
on a budget
blueprint the
details of the plan

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Office Building
Exploration
Architecture

are still not entirely clear, as the White House works to bring moderate Democrats on board. But a ...

*Top Democrats
look to budget to
enact climate goals*

The City of
Hopewell honored
the late Rev. Dr.
Curtis West Harris

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Office Building
with a renaming of
the post office.

Friends and family
came from across
the country to
witness the
unveiling.

*Hopewell Post
Office renamed to
honor late
Reverend Curtis
Harris*

Information about

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the Guilford County
Farm has been
added to a
smartphone app
for exploring farms,
farmers markets
and restaurants off
the beaten path.
The Visit NC Farms
app is building
information ...

*County farm added
to farm-exploration*

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app Office Building
San Antonio Public
Library's hub, the
Central Library, has
probably been
called the
"Enchilada Library"
more times than its
official name. The
signature red paint
that covers the six-
story building ...

San Antonio's

Page 35/85

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*iconic 'Enchilada
Library' gets a
fresh look*

Argonne-driven
technology is part
of a broad initiative
to answer
fundamental
questions about
the birth of matter
in the universe and
the building blocks
that hold it all
together. Imagine

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When searching for genuinely sustainable building design and technology - designs that go beyond conventional sustainability to be truly restorative -

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we often find that nature got there first. Over 3.5 billion years of natural history have evolved innumerable examples of forms, systems, and processes that can be applied to modern green design. For architects, urban

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designers and product designers, this new edition of Biomimicry in Architecture looks to the natural world to achieve radical increases in resource efficiency. Packed with case studies predicting future trends, this edition also contains updated

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and expanded chapters on structures, materials, waste, water, thermal control and energy, as well as an all-new chapter on light. An amazing sourcebook of extraordinary design solutions, Biomimicry in Architecture is a

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must-read for
anyone preparing
for the challenges
of building a
sustainable and
restorative future.

Repackaged with a
new Afterword, this
"valuable and
entertaining" (New
York Times Book
Review) book
explores how

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Scientists are
adapting nature's
best ideas to solve
tough 21st century
problems

Biomimicry is
rapidly
transforming life on
earth. Biomimics
study nature's
most successful
ideas over the past
3.5 million years,
and adapt them for

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human use. The results are revolutionizing how materials are invented and how we compute, heal ourselves, repair the environment, and feed the world. Janine Benyus takes readers into the lab and in the field with maverick thinkers as they:

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discover miracle
drugs by watching
what chimps eat
when they're sick;
learn how to create
by watching
spiders weave
fibers; harness
energy by
examining how a
leaf converts
sunlight into fuel in
trillionths of a
second; and many

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more examples.
Composed of
stories of vision
and invention,
personalities and
pipe dreams,
Biomimicry is must
reading for anyone
interested in the
shape of our
future.

The purpose of
investigating the

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Overlaps between
architecture and
biology is neither
to draw borders or
make further
distinctions nor to
declare
architecture alive,
but to clarify what
is currently
happening in the
blurred fields, and
to investigate the
emerging discipline

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of „biomimetics in
architecture"
[Architekturbionik].

An overview of the
present state of
research in the
relatively young
scientific field of
biomimetics shows
the potential of the
approach. The new
discipline aims at
innovation by
making use of the

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subtle systems and solutions in nature having evolved within millions of years. Approaches that have been taken to transfer nature's principles to architecture have provided successful developments. The new approach presented in this

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book transfers the
abstract concept of
life onto built
environment.

Strategic search for
life's criteria in
architecture
delivers a new view
of architectural
achievements and
makes the
innovative
potential visible,
which has not been

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exploited yet. A
selection of case
studies illustrates
the diversity of
starting points:
from vernacular
architecture to
space exploration.

In this ground-
breaking book, the
first to provide an
overview of the
theory and practice

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of experimental
architecture,
Rachel Armstrong
explores how
interdisciplinary,
design-led research
practices are
beginning to
redefine the
possibilities of
architecture as a
profession.

Drawing on experts
from disciplines as

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varied as
information
technology,
mathematics,
poetry, graphic
design,
scenography,
bacteriology,
marine applied
science and
robotics, Professor
Armstrong
delineates original,
cutting-edge

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architectural
experiments
through essays,
quotes, poetry,
equations and
stories. Written by
an acknowledged
pioneer of
architectural
experiment, this
visionary book is
ideal for students
and researchers
wishing to engage

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in experimental,
practice-based
architectural and
artistic research. It
introduces radical
new ideas about
architecture and
provides ideas and
inspiration which
students and
researchers can
apply in their own
work and
proposals, while

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practitioners can
draw on it to
transform their
creative
Architecture

assumptions and
develop thereby a
distinctive "edge"
to stand out in a
highly competitive
profession.

This book provides
the readers with a
timely guide to the

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Application of
biomimetic
principles in
architecture and
engineering
design. As a result
of a combined
effort by two
internationally
recognized
authorities, the
biologist Werner
Nachtigall and the
architect Göran

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Pohl, the book describes the principles which can be used to compare nature and technology, and at the same time it presents detailed explanations and examples showing how biology can be used as a source of inspiration and

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(biomimicry). Even though nature cannot be directly copied, the living world can provide architects and engineers with a wealth of analogues and inspirations for

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their own creative designs. But how can analysis of natural entities give rise to advanced and sustainable design? By reporting on the latest bionic design methods and using extensive artwork, the book guides readers through the field of nature-

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inspired
architecture,
Exploration
offering an
Architecture
extraordinary
resource for
professional
architects,
engineers,
designers and
urban planners, as
well as for
university
teachers,
researchers and

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students. Natural evolution is seen throughout the book as a powerful resource that can serve architecture and design by providing innovative, optimal and sustainable solutions.

Prominent
intellectuals and

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public figures
explore the
dynamics of
development,
offering varying
perspectives from
a range of fields.

People have been
finding inspiration
in nature in solving
their problems,
from the very
beginning of their

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existence. In the most general sense, biomimicry, defined as "inspire from the nature," has brought together the engineers and designers nowadays. This collaboration creates innovative and creative outcomes that

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encourage people
with their
Exploration
interdisciplinary
Architecture
relationships.

Accordingly, the
aim of this book is
to bring together
different works or
developments on
biomimetics in
interdisciplinary
relationship
between different
areas, especially

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Architecture
biomimicry,
engineering, and
design. The twenty-
first century has
conceived many
new and amazing
designs. The book
in your hands will
surely be an
important guide to
take a quick look at
the future
possibilities.

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Practical information on
designing sustainable, energy-efficient
building facades As energy and other
natural resources are being depleted,
it has become clear that technologies
and strategies that allow us to maintain
our satisfaction with interior

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environments
while consuming
less of these
resources are
major objectives
of contemporary
facade design.

Sustainable
Facades focuses
on the strategies
and approaches for
designing sustaina
ble, high-
performance

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Office Building,
and provides
technical
guidance for

architects and
designers. This
timely and useful
guide presents
strategies and
technical guidelines
for designing
environmentally se
nsitive, energy-
efficient facades

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Office Building
based on scientific
principles.

Exploration
Architecture
It provides climate-
specific

approaches for
minimizing energy
consumption,
analyzes the
thermal behavior of
different
facade systems and
materials, and
illustrates with
case studies how

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these approaches have been implemented on architectural projects. It also discusses emerging facade technologies, materials, and systems. Topics covered in this unique and indispensable guide include:

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Climate-based
design approaches
for high-performan
cefacades

Characteristics of
sustainable
facades: energy
efficiency, thermal
behavior, and
moisture resistance
Designing for
thermal comfort,
lighting and glare
control,

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and acoustic quality
Emerging
technologies in
facade design,
including
smart materials,
double-skin
facades, and
facades as
energy generators
Case studies on
building orientation
and facade
design, tectonic sun

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Applying Properties
of Animals Skins to
Inspire
Architectural
Envelopes Biology
influences design
projects in many
ways; the related
discipline is known
as biomimetics or

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biomimicry. Using the animal kingdom as a source of inspiration, Ilaria Mazzoleni seeks to instill a shift in thinking about the application of biological principles to design and architecture. She focuses on the analysis of how

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Organisms have
adapted to
different
environments and
translates the
learned principles
into the built
environment. To
illustrate the
methodology,
Mazzoleni draws
inspiration from the
diversity of animal
coverings, referred

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to broadly as skin,
and applies them
to the design of
building envelopes
through a series of
twelve case
studies. Skin is a
complex organ that
performs a
multitude of
functions; namely,
it serves as a link
between the body
and the

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Environment.
Similarly, building
envelopes act as
interfaces between
their inhabitants
and external
elements. The
resulting
architectural
designs illustrate
an integrative
methodology that
allows architecture
to follow nature.

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Ilaria Mazzoleni, in collaboration with biologist Shauna Price, has developed a profound methodology for architectural and design incentives that anticipates and proposes novel ways to explore undiscovered biological

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inspirations for
various audiences."
—Yoseph Bar-
Cohen

Biomimicry, the
practice of
observing then
mimicking nature's
strategies to solve
business
challenges, offers a
path to healthy
profit while working

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in partnership, and even reciprocity, with the natural world. Other books have described biomimicry, its uses, and its benefits. This book shows readers how to create their own biomimetic or bioinspired solutions with clear benefits to the

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bottom line, the environment, and people. Fashioned through

storytelling, this book blends snapshots of five successful companies - Nike, Interface, Inc., PAX Scientific, Sharklet Technologies, and Encycle - which decided to partner

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with nature by
deploying
biomimicry. The
book details how
they discovered
the practices,
introduced them to
staff, engaged in
the process, and
measured
outcomes. The
book concludes
with challenges for
readers to

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determine their own next steps in business and offers practical and useful resources to get there. By revealing the stories of each professional's journey with lessons they learned, then providing resources and issuing a challenge and

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pathway to do
business better,
this book serves as
a tool for
entrepreneurs,
seasoned
professionals, and
students to
emulate nature's
brilliance, apply it
at work, and
contribute to a
healthier, more
prosperous world.

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