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*manually fascinating”
(Susan Adams,
Forbes) classic, now
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For two thousand
years, cadavers -
some willingly, some
unwittingly - have
been involved in
science’s boldest
strides and weirdest
undertakings.
They’ve tested
France’s first*

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*guillotines, ridden
the NASA Space
Shuttle, been
crucified in a
Parisian laboratory
to test the
authenticity of the
Shroud of Turin, and
helped solve the
mystery of TWA
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funny read offers
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insight about life,
death and the
medical profession. .
. . You can close this
book with an
appreciation of the
miracle that the
human body really
is.” —Tara Parker-
Pope, Wall Street*

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*Journal "Gross,
educational, and
unexpectedly
sidesplitting."*

*—Entertainment
Weekly*

*State-of-the-art guide
to plastic product
design, manufacture
and application.*

*Edited by Charles A.
Harper and
sponsored by*

Modern Plastics, the

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*industry's most prestigious trade magazine, Modern Plastics Handbook packs a wealth of up-to-date knowledge about plastics processes, forms and formulations, design, equipment, testing and recycling. This A-to-Z guide keeps you on top of: *Properties and performance of*

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thermoplastics,
polymer
blends...thermosets,
reinforced plastics
and
composites...natural
and synthetic
elastomers
**Processes from*
extrusion, injection
and blow molding to
thermoforming, foam
processing, hand lay-
up and filament

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*winding, and many,
many more *Fabricat
ing...post-production
finishing and
bonding...coatings
and finishes, subjects
difficult to find
treated elsewhere in
print *More!*

*An Advanced Guide
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Procedures and
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Revision 6*

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Power Systems: High
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electronics

testing has a

legacy of more

than 40 years.

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of new

technologies,

especially

nanometer

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Testability
techniques that
will allow
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researchers, DFT
practitioners, and
VLSI designers to
master quickly
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architectures, for
test debug and

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and analog/mixed-
signal designs.

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and fault
diagnosis and
self-repair from
digital to memory
circuits.

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test trends and
challenges facing
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design era;
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including
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Cellular
Automata, Carbo
n-Nanotubes, and
Hybrid Semicond
uctor/Nanowire/M
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mboembolism

expand the scope
of coverage A

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and disaster
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using theoretical
knowledge, field
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sample scenarios.

*The contents of
this book follow
the guidelines
from SAP
regarding HANA
installation on IBM
Power Systems
plus all the*

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preferred practices that are gathered from the experiences of those consultants in hundreds of past HANA installations in customers' environments. This book is a hands-on guide

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and is targeted at technical staff who want to install SAP HANA on IBM Power Systems, and also use SAP HANA and IBM Power Systems HA solutions. SAP HANA and SUSE screen captures

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systems and
strategies for
global security by
which the conflicts
between nations
can be carried on,
and ultimately
resolved, without*

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*recourse to war,
examining system
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which may take
many years to
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Basic

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algorithms and
wireless security
models New threats
and countermeasures

The CD-ROM

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includes all the questions and answers from the book with the Boson-powered test engine.

The book manages to combine humor, adventure, tragedy, triumph, heroism, and even some forays into the risqué while chronicling the careers of 20 enduring

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personalities that helped make diving what it is today. Some of those interviewed are retired now, one (author Peter Benchley of Jaws fame) recently passed away, and many are still making history through their ongoing work. It's quite a group. Consider that

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the lineup includes actress and Sea Hunt star Zale Parry who also set the depth record for women divers back in 1954. Stan Waterman provides both the book's Foreword and a revealing insider look at his seven decades in diving. Living legend Bev Morgan

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pioneered the first
dive training programs
along with
revolutionizing
commercial diving
equipment. His image
in full hardhat dress
also graces the book's
cover. Morgan's
candor and humor set
the pace for the lively
montage of dialogues
to follow with

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Australian couple Ron and Valerie Taylor who rose to fame in the iconic shark documentary film Blue Water, White Death. They are joined by others from diving's first generation including filmmaker Al Giddings (The Deep, Abyss, Titanic, etc.),

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retail pioneer and
cameraman Chuck
Nicklin (The Diving
Locker),
manufacturers Dick
Bonin (Scubapro) and
Bob Hollis (Oceanic),
photography masters
Ernie Brooks and Paul
Humann, as well as
deep ocean explorer
Dr. Bob Ballard who
discovered the wrecks

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of the Titanic,
Bismarck, and
PT-109. Diving's
second generation of
innovators includes
cave explorer Wes
Skiles, filmmaker
Mike deGruy, wreck
explorer John
Chatterton (of Shadow
Divers fame), IMAX
film producer Greg
MacGillivray, and the

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dynamic husband/wife team of Howard and Michele Hall who seem to dominate the realm of documentary underwater films now (Island of the Sharks, Coral Reef Adventure, Deep Sea 3D). Last but not least, Stan Waterman talked Gilliam into sitting for an interview about his

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own amazing career and, typically, he shares a wicked sense of humor along with some biting perspective about what it was like to champion new technologies and daring approaches to diving business when the sport's ultra-conservatives wanted

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Manual
to suppress nitrox,
liveboards, technical
diving, diving
computers, training
methods, and honest
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chapter is a slice of
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pull back the curtain
on the personal lives
of diving's heroes and
feel like they are part

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of the conversation.

The full color book is lavishly illustrated with great photographs that capture each interviewee throughout their diving careers. It's a very personal journey and the reader will feel like they pulled up a chair and shared

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a cup of coffee around
a table with each
person. Gilliam
enlisted help from
other leading writers
for some interviews he
couldn't conduct
himself and Fred
Garth, Lina
Hitchcock, Eric
Hanauer, Douglas
Seifert and Michel
Gilbert & Danielle

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Alary all make significant contributions to round out the book. It's a massive volume, 8x11 inches in size, 496 pages, hard bound, and weighing in at a whopping eight pounds per copy.

Author Joseph Dyro has been awarded the Association for the

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Advancement of
Medical

Instrumentation
(AAMI)

Clinical/Biomedical
Engineering

Achievement Award
which recognizes
individual excellence
and achievement in
the clinical
engineering and
biomedical

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engineering fields. He has also been awarded the American College of Clinical Engineering 2005 Tom O'Dea Advocacy Award. As the biomedical engineering field expands throughout the world, clinical engineers play an evermore important

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role as the translator between the worlds of the medical, engineering, and business professionals. They influence procedure and policy at research facilities, universities and private and government agencies including the Food and Drug

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Manual
the U.S. Navy
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has served as
the
internationally
recognized
standard for
allowable
exposure while
breathing
compressed air
at varying
depths. For many
years, the

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1956/1957 Diving
Manual "air
tables" also
provided the
prescribed
decompression
schedules for
dive profiles
that exceeded
allowable
exposure limits.
Due to concern
over
unacceptable

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rates of
decompression
sickness and key
research on
hyperbaric
medicine that
has developed
mathematical
models for gas
exchange in
human tissues,
the U.S. Navy
has now totally
revised the

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Manual's air tables to make use of this valuable new research. These changes, together with those to the Manual's other sections, represent the most comprehensive updating of Navy

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diving
procedures since
1956. Among the
key sections
affected by this
thoroughgoing
revision are:

Air
decompression
definitions;
Emergency
procedures;
Repetitive
dives;

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Variations in
rate of ascent;
Surface-supplied
mixed gas diving
procedures;
Diagnosis and
treatment of
decompression
sickness and
arterial gas
embolism;
Recompression
chamber
operation. In

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addition to these key updates, the Manual provides extensive information on medical treatment for dive injuries; dangerous, predatory, and venomous marine animals; and many other

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topics of
interest. It
also includes
numerous
authoritative
charts and
tables covering
all aspects of
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experience.

Revision 6 of
the U.S. Navy
Diving Manual
represents the

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culmination of
extensive
research and
empirical
validation of
its core - the
crucial air
tables that can
mean the
difference
between life and
death. These
tables, as well
as the detailed

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approach in
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protocols, such
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opening it,
looking at the
PCB, and
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trends,
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need to take
necessary steps
to secure
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protect them
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it, and reveals

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how these
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LearnPerform a
threat model of
a real-world IoT
device and
locate all
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points Use
reverse
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firmware
binaries to
identify
security issues
Analyze, assess,
and identify
security issues
in exploited ARM
and MIPS based
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capture, and
exploit radio
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as Bluetooth Low Energy (BLE), and ZigBee Who This Book is For Those interested in learning about IoT security, such as pentesters working in different domains, embedded device developers, or

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wanting to move
to an Internet
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security role.
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guide to both
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diving and the
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accurate
answers. The
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their respective
instructors.***

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Challenge for
Technical Divers
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Deep Into Deco is a comprehensive and well-written reference text covering various topics of decompression theory. It is straightforward, easy to read, and free from

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field, it is also a must-have reference for any military or emergency response medical personnel, particularly in hostile environments. Developed as a primary medical information resource and field guide for the Special Operations Command (SOCOM). As a grid-down medical reference for the doomsday

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prepper it can't be beaten. Defines the standard of health care delivery under adverse and general field conditions. Organized according to symptoms, organ systems, specialty areas, operational environments and procedures.

Emphasizes acute care in all its forms (including gynecology,

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general medicine, dentistry, poisonings, infestations, parasitic infections, acute infections, hyper- and hypothermia, high altitude, aerospace, dive medicine, and sanitation.). DO NO HARM, DO KNOW HARM The following medical texts should be in the preps of every serious off-grid

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Manual
survivor: Ranger Medic

Handbook Special

Operations Medical

Handbook STP

31-18D34-SM-TG A

MOS 18D Special

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Levels 3 and 4 STP

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The Diver's
Decompression
Textbook
Compressed Air; 21
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Rebreathers
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Japanese TDI
Decompression
Procedures Student
Manual
German TDI
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Oxygen poisoning is, after decompression sickness, the second most important threat to the diver. This book is the first to be entirely devoted to the subject. The

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author, an acknowledged authority in the field, covers all situations where oxygen or hypertoxic gas mixtures are employed at increased pressures, and reviews many of

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the factors which may affect the incidence of poisoning.

“Superbly written and action-packed, *The Last Dive* ranks with such adventure classics as *The Perfect Storm* and *Into Thin Air*.”—Tampa

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Tribune Spurred
on by a fatal
combination of
obsession and
ambition, Chris
and Chrisy Rouse,
an experienced
father-son scuba
diving team, hoped
to achieve wide-
spread recognition
for their

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outstanding and
controversial
diving skills by
solving the secrets
of a mysterious,
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World War II
German U-boat
that lay only a half
day's mission
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Rouses found the ultimate cost of chasing their personal challenge: death from what divers dread the most—decompression sickness, or “the bends.” In this gripping recounting of their

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Manual
tragedy, author
Bernie Chowdhury,
himself an expert
diver, explores the
thrill-seeking, high-
risk world of deep
sea diving, its
legendary figures,
most celebrated
triumphs, and
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The Safety Valve Handbook is a professional reference for design, process, instrumentation, plant and maintenance engineers who work with fluid flow and transportation systems in the

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process industries, which covers the chemical, oil and gas, water, paper and pulp, food and bio products and energy sectors. It meets the need of engineers who have responsibilities for specifying,

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installing,
inspecting or
maintaining safety
valves and flow
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will also be an
important
reference for
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loss prevention
engineers,
environmental

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Manual
engineers, and
plant and process
designers who
need to
understand the
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valves in a wider
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extensive codes and standards that govern their installation and use. A single source means users save time in searching for specific information about safety valves The Safety Valve

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contains all of the vital technical and standards information relating to safety valves used in the process industry for positive pressure applications.

Explains technical

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issues of safety
valve operation in
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valves The Handbook is unique in addressing both US and European codes: - covers all devices subject to the ASME VIII and European PED (pressure equipment directive) codes; -

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technical material,
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Covers calculating

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takes all rudiments of decompression theory and phase mechanics to considerable depth, while focusing on diving applications in a historical perspective.

Topics span many disciplines, and

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the targeted audience is the commercial diver, hyperbaric scientist, doctor, physical scientist, technical diver, and dive instructor. The intent of the 3rd Edition is to present a

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Manual
working view of
decompression in
diving, mostly
focusing on
theory with
application,
including
equations. The
discussion is
neither a
medical nor
physiological
synthesis. Such
aspects are

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simplified, and for some certainly oversimplified. Nonetheless, it is directed toward the diver and reader with some rudimentary understanding of decompression. Background in the physical or life sciences is

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helpful but
certainly not
necessary.

Discussed are
the mechanics of
tissue gas
exchange,
bubbles and
nucleation,
supersaturation,
perfusion and
diffusion. Also
included are
chapters on

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"Mixed Gases and
Manual
Decompression" -

"Decompression
Tables, Meters
and Models" -

"Decompression
Risks and
Statistics."

References and
numerical
examples (with
solutions) are
included for
more detail and

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extended diver a
nalysis."--Publi
sher's website.
A decompression
procedure for
repetitive
diving to depths
of 190 feet was
devised
employing
modified Haldane
principles which
have been
reported

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previously. The repetitive diving tables provide a system by which a diver can determine the necessary increase in decompression time on the second and successive dives, based on the amount of

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excess inert gas tension in his body after completion of the previous dive. The amount by which the decompression time must be increased varies inversely with the time (on surface) interval between

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dives. The information for using this system is obtained from four tables i.e. Decompression Table, No Decompression Table, Surface Interval Table and the Repetitive Dive Table. The

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Manual
validity of this
procedure was

tested by
performing 62
repetitive dives
with random
combinations of
depth, time and
surface interval

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This book
introduces the Zynq
MPSoC (Multi-
Processor System-
on-Chip), an

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Manual
embedded device
from Xilinx. The
Zynq MPSoC
combines a
sophisticated
processing system
that includes ARM
Cortex-A53
applications and
ARM Cortex-R5 real-
time processors,
with FPGA
programmable logic.

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Manual

As well as guiding the reader through the architecture of the device, design tools and methods are also covered in detail: both the conventional hardware/software co-design approach, and the newer software-defined methodology using

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Xilinx's SDx
development
environment.

Featured aspects of
Zynq MPSoC
design include
hardware and
software
development,
multiprocessing,
safety, security and
platform
management, and

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system booting.

There are also special features on PYNQ, the Python-based framework for Zynq devices, and machine learning applications. This book should serve as a useful guide for those working with Zynq MPSoC, and equally as a

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reference for
Manual
technical managers
wishing to gain
familiarity with the
device and its
associated design
methodologies.

Caverns

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