```
@InProceedings{REIS2020,
    author="dos Reis, Alexandre Soares
    and Gielen, Elien
    and Wopereis, Ko
    and Pasternak, Marcel
    and Sooäär, Vaido
    and Schneider, Tobias
    and Duarte, Abel J.
    and Malheiro, Benedita
    and Justo, Jorge
    and Ribeiro, Cristina
    and Silva, Manuel F.
    and Ferreira, Paulo
    and Guedes, Pedro",
    editor="Silva, Manuel F.
    and Luís Lima, José
    and Reis, Luís Paulo
    and Sanfeliu, Alberto
    and Tardioli, Danilo",
    title="Smart Companion Pillow -- An EPS@ISEP 2019 Project",
    booktitle="Robot 2019: Fourth Iberian Robotics Conference",
    year="2020",
    publisher="Springer International Publishing",
    address="Cham",
    pages="465--476",
    abstract="This paper describes the design and development of a Smart
Companion Pillow, named bGuard, designed by a multinational and
multidisciplinary team enrolled in the European Project Semester (EPS) at
Instituto Superior de Engenharia do Porto (ISEP) in the spring of 2019.
Nowadays, parents spend most of the day at work and become naturally worried
about the well-being of their young children, specially babies. The aim of
bGuard is to provide a 24-hour remotely accessible baby monitoring service,
contributing to reduce parenting stress. The team, based on the survey of
related products, as well as on marketing, sustainability, ethics and
deontology analyses, developed a remotely interactive Smart Companion Pillow
to monitor the baby's health and room air quality. The collected data, once
it is saved on an Internet of Things (IoT) platform, becomes remotely
accessible. The bGuard pillow, thanks to its shape, reduces the risk of the
baby rolling from back to tummy, lowering the risk of Sudden Infant Death
Syndrome (SIDS).",
    isbn="978-3-030-36150-1"
}

@article{LEE2018,
    title = "Design and Implementation of Monitoring System Architecture for
Smart Bicycle Platform",
    journal = "Procedia Computer Science",
    volume = "134",
    pages = "464 - 469",
    year = "2018",
    note = "The 15th International Conference on Mobile Systems and
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Pervasive Computing (MobiSPC 2018) / The 13th International Conference on
Future Networks and Communications (FNC-2018) / Affiliated Workshops",
    issn = "1877-0509",
    doi = "https://doi.org/10.1016/j.procs.2018.07.182",
    url =
"http://www.sciencedirect.com/science/article/pii/S1877050918311475",
    author = "YeongKyun Lee and Jongpil Jeong",
    keywords = "Remote monitoring, Wireless sensor network, Smart phone
based monitoring, Bicycle monitoring",
    abstract = "This paper proposes the smart phone as a central monitoring
device for the bicycle and the WIFI network as a communication channel
between the smart phone and the sensors. It will show how to implement the
sensor boards with WIFI and relevant firmware, the software on the smart
phone to communicate with the sensor boards and the evaluation results with
the open source software called Goldencheetah. The knowledge in this paper
is not limited to bicycles but can be expanded to any other monitoring
systems using the remote sensors based on smart phone."
}

@article{RANJITH2020,
    title = "Prediction of Exhaust Gas Emission characteristics using Neem
oil blended bio- diesel in diesel engine",
    journal = "Materials Today: Proceedings",
    volume = "21",
    pages = "870 - 875",
    year = "2020",
    note = "International Conference on Recent Trends in Nanomaterials for
Energy, Environmental and Engineering Applications",
    issn = "2214-7853",
    doi = "https://doi.org/10.1016/j.matpr.2019.07.706",
    url =
"http://www.sciencedirect.com/science/article/pii/S2214785319329116",
    author = " Ranjith and V. Velmurugan and S. Thanikaikarasan",
    keywords = "Accelerometer, Diesel engine, Neem oil, Renewable,
Alternative, Viscosity, Volatility",
    abstract = "As a renewable, sustainable and alternative fuel for diesel
engine, biodiesel instead of diesel has been increasingly fuelled to study
its effects on engine performances and emissions. Biodiesel production is a
modern and technological area for researchers due to constant increase in
the prices of petroleum, diesel, and environmental advantages. Increased
environmental awareness and depletion of resources are driving industry to
develop viable alternative fuels from renewable resources that are
environmentally more acceptable. Neem oil is a potential alternative fuel.
The most detrimental properties of neem oils are its high viscosity and low
volatility, and these cause several problems during their long duration
usage in diesel engines. From the review it is found that the use of
biodiesel leads to the substantial reduction in CO2, HC, CO and NOx
emissions."
}

@article{SOBHANI2018,
```

```
    title = "Impact of smartphone distraction on pedestrians crossing
behaviour: An application of head-mounted immersive virtual reality",
    journal = "Transportation Research Part F: Traffic Psychology and
Behaviour",
    volume = "58",
    pages = "228 - 241",
    year = "2018",
    issn = "1369-8478",
    doi = "https://doi.org/10.1016/j.trf.2018.06.020",
    url =
"http://www.sciencedirect.com/science/article/pii/S1369847818300998",
    author = "Anae Sobhani and Bilal Farooq",
    keywords = "Head-mounted immersive virtual reality, Pedestrian,
Distracted street crossing, Multi-tasking, Smartphone use, Surrogate
analysis, Smart LED lights safety treatment",
    abstract = "A novel head-mounted virtual immersive/interactive reality
environment (VIRE) is utilized to evaluate the behaviour of participants in
three pedestrian road crossing conditions while 1) not distracted, 2)
distracted with a smartphone, and 3) distracted with a smartphone with a
virtually implemented safety measure on the road. Forty-two volunteers
participated in our research who completed thirty successful (complete
crossing) trials in blocks of ten trials for each crossing condition. For
the two distracted conditions, pedestrians are engaged in a maze-solving
game on a virtual smartphone, while at the same time checking the traffic
for a safe crossing gap. For the proposed safety measure, smart flashing and
color changing LED lights are simulated on the crosswalk to warn the
distracted pedestrian who initiates crossing. Surrogate safety measures as
well as speed information and distraction attributes such as direction and
orientation of participants head were collected and evaluated by employing a
Multinomial Logit (MNL) model. Results from the model indicate that females
have more dangerous crossing behaviour especially in distracted conditions;
however, the smart LED treatment reduces this negative impact. Moreover, the
number of times and the percentage of duration the head was facing the
smartphone during a trial and a waiting time respectively increase the
possibility of unsafe crossings; though, the proposed treatment reduces the
safety crossing rate. Hence, our study shows that the smart LED light safety
treatment indeed improves the safety of distracted pedestrians and enhances
the successful crossing rate."
}

@article{OBAYASHI2020,
    title = "Pilot and Feasibility Study on Elderly Support Services Using
Communicative Robots and Monitoring Sensors Integrated With Cloud Robotics",
    journal = "Clinical Therapeutics",
    year = "2020",
    issn = "0149-2918",
    doi = "https://doi.org/10.1016/j.clinthera.2020.01.001",
    url =
"http://www.sciencedirect.com/science/article/pii/S0149291820300278",
    author = "Kazuko Obayashi and Shigeru Masuyama",
    keywords = "activities of daily living, cloud robotics, communicative
```

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robot, elderly care, robotics utilization, support services",
    abstract = "Purpose
    This pilot before-after study investigated the possible effects of
communicative robots, used with a sensing system supported by cloud
robotics, in caring for elderly people.
    Methods
    Two elderly women in nursing homes and 4 care workers participated in
the trial. The overnight life rhythm assessments of the study participants
and care workers were surveyed to determine when and how the robots should
be integrated into care. The system consisted of the robot Sota, a
noncontact vital sensor and a sheet-shaped bed sensor. Real-time sensing
data and conversations between the participants and robots were sent to the
servers, prompting a quick verbal response by the robot supported by cloud
robotics.
    Findings
    Care workers devoted 3 h to the maintenance of records during their most
stressful periods. Automatic recording of vital information using robot
sensors can improve the quality of nursing care work. Care workers' stress
levels were maximized when responding to nurse calls. Temporary responses to
nurse calls by the robots may help to effectively reduce the burden on
nursing care workers. Robots can stimulate elderly people to communicate
more with others (P < 0.05). Appropriate vocalization by communicative
robots may prevent the deterioration of quality of life in elderly
individuals.
    Implications
    Communicative robots, used with a sensing system, may stimulate elderly
people to activate a communication link with others and help care workers to
effectively reduce the burden during the night shift. A follow-up study
involving a broader research program on communicative robots and elderly
care would be beneficial."
}

@article{THAPA2019,
    title = "Study on the wintry thermal improvement of makeshift shelters
built after Nepal earthquake 2015",
    journal = "Energy and Buildings",
    volume = "199",
    pages = "62 - 71",
    year = "2019",
    issn = "0378-7788",
    doi = "https://doi.org/10.1016/j.enbuild.2019.06.031",
    url =
"http://www.sciencedirect.com/science/article/pii/S0378778819306309",
    author = "Rita Thapa and Hom Bahadur Rijal and Masanori Shukuya and
Hikaru Imagawa",
    keywords = "Nepal, Earthquake, Temporary shelters, Indoor air
temperature, Thermal insulation, Thermal improvement",
    abstract = "After massive earthquake 2015, thousands of Nepalese who
lost their permanent houses by the hardest hits were forced to live in
makeshift temporary shelters. The field measurement on indoor thermal
environment in five shelters was conducted in one of the district hit by the
```

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earthquake, Lalitpur, in winter. The mean indoor and outdoor air
temperatures during the measured nighttime were found to be 10.3 °C and 7.6
°C, respectively, and the nocturnal indoor air temperature remained below
the lowest acceptable temperature of 11 °C. This result assured that these
shelters are not good for winter and must create various problems. We
therefore analyzed the thermal characteristics of those shelters based on
the measured results in order to seek a possible improvement. The total heat
loss coefficient estimated per floor area in five shelters ranged from 11.3
to 15.2 W/(m2·K); that is thermal insulation was very low. We made a simple
numerical analysis on the variation of indoor air temperature with the
assumption of improved thermal characteristics and thereby found that it
needs to be reduced about 2~7 W/(m2·K) to have the indoor air temperature
higher than 11 °C for 70\% of the whole nocturnal hours. Such reduction of
heat loss was found to be realized by adding affordable materials, e.g.,
cellular polyethylene foam and clothes for respective walls and roof. Thus,
the knowledge obtained from this study should hopefully be applied to actual
improvement of indoor thermal environment in existing shelters and also to a
development for the preparation against future disaster."
}

@MISC{gartner2021,
  author  = "{Gartner}",
  title   = "{Gartner Magic Quadrant for Data Science and Machine Learning
Platforms}",
  url     = "{https://www.gartner.com/en/documents/3998753}",
  urldate = "{March 2021}",
  year    = "{2021}",
  address = "{[Accessed in April 2021]}",
}

@MISC{android41,
  author  = "{Android Open Source Project}",
  title   = "{Android Developers: Android 4.1 APIs}. January 2015. [Accessed
in April, 2017]",
  url     =
"{http://developer.android.com/about/versions/android-4.1.html}",
  urldate = "{May 2014}",
  year    = "{2014}",
  address = "{[Accessed in April 2017]}",
}

@MISC{cloudexpo2008,
  AUTHOR  = "{Cloud Expo}",
  title   = "{Twenty-One Experts Define Cloud Computing}",
  url     = "{http://cloudcomputing.sys-con.com/node/612375}",
  urldate = "{October 2013}",
  year    = "{2008}",
  address = "{[Accessed in April 2021]}",
}

@BOOK{bandyopadhyay2013unsupervised,
```

```
  title={Unsupervised Classification: Similarity Measures, Classical and
Metaheuristic Approaches, and Applications},
  author={Bandyopadhyay, Sanghamitra and Saha, Sriparna},
  year={2013},
  isbn={978-3-642-32450-5},
  publisher={Springer},
  address = {Berlin, Germany},
  doi = {10.1007/978-3-642-32451-2}
}


@ARTICLE{llorente2009virtual,
  author  ="{Sotomayor, B. and Montero, Ruben S. and Llorente, I.M. and
Foster, I.}",
  journal ="Internet Computing, IEEE",
  title   ="{Virtual Infrastructure Management in Private and Hybrid
Clouds}",
  year    ="{2009}",
  month   ="{Sept}",
  volume  ="{13}",
  number  ="{5}",
  pages   ="{14-22}",
  abstract = {One of the many definitions of "cloud" is that of an
infrastructure-as-a-service (IaaS) system, in which IT infrastructure is
deployed in a provider's data center as virtual machines. With IaaS clouds'
growing popularity, tools and technologies are emerging that can transform
an organization's existing infrastructure into a private or hybrid cloud.
OpenNebula is an open source, virtual infrastructure manager that deploys
virtualized services on both a local pool of resources and external IaaS
clouds. Haizea, a resource lease manager, can act as a scheduling back end
for OpenNebula, providing features not found in other cloud software or
virtualization-based data center management software.},
  doi = {10.1109/MIC.2009.119}
}

@article{Mulder2013428,
    title = "Development of a Motion System for an Advanced Sailing
Simulator ",
    journal = "Procedia Engineering ",
    volume = "60",
    number = "0",
    pages = "428 - 434",
    year = "2013",
    note = "6th Asia-Pacific Congress on Sports Technology (APCST) ",
    issn = "1877-7058",
    doi = "http://dx.doi.org/10.1016/j.proeng.2013.07.030",
    url =
"http://www.sciencedirect.com/science/article/pii/S1877705813010813",
    author = "Fabian A. Mulder and Jouke C. Verlinden",
    keywords = "Sailing",
    keywords = "Dinghy",
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    keywords = "Virtual reality",
    keywords = "Training simulation",
    keywords = "Force feedback",
    abstract = "Abstract To train competitive sailing in a virtual setting,
motion of the boat as well as haptic feedback of the sail lines is
essential. When discussing virtual environments (VEs) the concept of
presence is often used. In this study we develop a sailing simulator motion
system to research what factors contribute to the participants' sensation of
presence when sailing in a VE. The developed simulator includes the
development of a mainsheet force feedback system and a novel motion
platform, connected to a high-quality graphics sailing simulation. In future
research, the developed system will be used to study which sail training
type can be performed in simulated environments, and if the system can be
used as a valid testbed for perception-action experiments."
}

@MISC{elite2021,
  AUTHOR  = "{Elite Areas}",
  title   = "{Using Outdoor Musical Instruments to Reimagine Public Spaces
for Playful Learning}",
  url     =
"{https://www.eliteareas.gr/outdoor-musical-instruments-reimagine-public-pla
ces-playful-learning/}",
  urldate = "{2021}",
  year    = "{2021}",
  address = "{[Accessed in April 2023]}",
}

@mastersthesis{Antic2019,
  author       = {Dusan Antic},
  title        = {Encouraging social interaction in public spaces through
interactive light},
  school       = {Malmö University},
  year         = {2019},
  address      = {Bachelor Thesis, Malmö University, Malmö, Sweden},
  note         = {},
  type         = {Bachelor Thesis},
}

@article{Kemperman2014,
title = {Green spaces in the direct living environment and social contacts
of the aging population},
journal = {Landscape and Urban Planning},
volume = {129},
pages = {44-54},
year = {2014},
issn = {0169-2046},
doi = {https://doi.org/10.1016/j.landurbplan.2014.05.003},
url = {https://www.sciencedirect.com/science/article/pii/S016920461400125X},
author = {Astrid Kemperman and Harry Timmermans},
keywords = {Social contacts, Green spaces, Aging, Living environment,
```

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Bayesian belief network},
abstract = {Green spaces in the living environment may provide a meeting
place and support social contacts. When people get older they, in general,
are less mobile and have more limited activity spaces. At the same time they
are faced with smaller social networks due to social and health related
changes. Green spaces in their direct living environment are therefore
important to support their needs. The aim of this study was to better
understand the nature of the relationship between various types of green
spaces in the direct living environment and the extent and nature of social
contacts of the aging generation, taking into account socio-demographics and
other physical and social environmental characteristics. Data for this study
were obtained from a survey about living surroundings from a national
representative sample of 1501 persons in the age category of 60 years and
over in the Netherlands conducted in 2009. The survey included both
subjective and objective measurements of the direct living environment of
the respondents. Specifically, a Bayesian belief network was used to
formulate and estimate the direct and indirect relationships between the
selected variables. Results show that social contacts among neighbors are
mainly influenced by the availability of trees and grass and the perceived
level of green. Green spaces support social contacts in the neighborhood.
However, the safety and maintenance of the green spaces are also important;
high quality green spaces support social contacts between neighbors and
strengthen communities for the aging population.}
}

@inproceedings{Sturm2013,
author = {Janienke Sturm and Tilde Bekker and Vero Vanden Abeele and Stine
Liv Johansen and Mark van Kuijk and Ben Schouten},
title = {Playful Interactions Stimulating Physical Activity in Public
Spaces},
year = {2013},
isbn = {9781450319522},
publisher = {Association for Computing Machinery},
address = {New York, NY, USA},
abstract = {},
pages = {},
booktitle = {Proceedings of the Conference on Human Factors in Computing
Systems -- Workshop on Experiencing Interactivity in Public Spaces},
numpages = {6},
keywords = {},
location = {Paris, France},
series = {CHI EA '13}
}

@MISC{huysmans1980,
  AUTHOR       = "{Toon Huysmans and Johan Molenbroek}",
  title        = "{DINED - Anthropometric database}",
  publisher    = "{Delft University of Technology}",
  url          = "{https://dined.io.tudelft.nl/en/database/tool}",
  year         = "{1980}",
  note         = "{DINED is a project of the Applied Ergonomics and Design
```

```
Section of the Human-Centered Design Department of the TU Delft faculty of
Industrial Design Engineering.}",
  address = "{[Accessed in April 2023]}",
}

@MISC{autonomous2021,
  AUTHOR       = "{Autonomous}",
  title        = "{Smart Products: What Is the Correct Children's Table
Height?}",
  url          =
"{https://www.autonomous.ai/ourblog/correct-children-table-height-size-
chart}",
  year         = "{2021}",
  month        = "{May}",
  note         = "{Autonomous engineers products that enable you to energize
your ideas and bring them to life.}",
  address = "{[Accessed in April 2023]}",
}


@phdthesis{rahman2015,
  title={Anthropometric measurements of primary school children in
Bangladesh},
  author={Rahman, Mazibur},
  year={2015},
  school={Bangladesh Health Professions Institute},
  address = {PhDThesis, Bangladesh Health Professions Institute, Dhaka,
Bangladesh},
  url = {http://library.crp-bangladesh.org:8080/xmlui/handle/123456789/187},
}

@MISC{britishrecycledplastic2008,
  AUTHOR  = "{British Recycled Plastic}",
  title   = "{Recycled Plastic Benches}",
  url     =
"{https://britishrecycledplastic.co.uk/products/recycled-plastic-benches/}",
  urldate = "{2023}",
  year    = "{2023}",
  address = "{[Accessed in April 2021]}",
}

@MISC{greenfurniture2012,
  AUTHOR          = "{Green Furniture}",
  title           = {About Recycled Plastic},
  url             =
{https://www.greenfurniture.co.za/about-recycled-plastic.html},
  year            = "{2023}",
  address         = "{[Accessed in April 2023]}",
  note            = {Green Furniture specializes in quality recycled plastic
outdoor products. When they are recycled they can make new bottles and
containers, plastic lumber, picnic tables, lawn furniture, playground
```

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equipment, recycling bins and more.},
}

@MISC{therubbercompany2023,
  AUTHOR          = "{The Rubber Company}",
  title           = {EPDM Sponge Rubber},
  url             =
{https://therubbercompany.com/sponge-foam/epdm-sponge-rubber/closed-cell-epd
m-sponge-rubber},
  year            = "{2023}",
  address         = "{[Accessed in April 2023]}",
  note            = {Manufacturers, designers, distributors. We manufacture,
convert and distribute rubber polymer and associated products.},
  address = "{[Accessed in April 2023]}",
}

@MISC{rubbercal1994,
  author          = {Rubber-Cal},
  title           = {Open-Cell Versus Closed-Cell Foam Neoprene},
  url             = {https://www.rubbercal.com/sheet-rubber/foam-neoprene/},
  year            = {2023},
  address         = "{[Accessed in April 2023]}",
  note            = {Rubber-Cal has established itself as a trusted supplier
of rubber flooring and mats, rubber sheet products, flexible ducting,
fabricated gaskets, and specialty rubber parts.},
  address = "{[Accessed in April 2023]}",
}

@misc{ECCBoutdoor2018,
  author  = "{ECCB Outdoor}",
  title   = "{Is Poly Lumber Furniture the Same as Plastic, Composite, or
Resin?}",
  year    = "{2018}",
  month   = "{October}",
  note    = "{Comparing different types of plastic furniture}",
  url     =
{https://blog.eccboutdoor.com/2018/10/04/is-poly-lumber-furniture-the-same-a
s-plastic-composite-or-resin/},
  address = "{[Accessed in April 2023]}",
}

@inproceedings{Memarovic2012,
author = {Memarovic, Nemanja and Langheinrich, Marc and Alt, Florian and
Elhart, Ivan and Hosio, Simo and Rubegni, Elisa},
title = {Using Public Displays to Stimulate Passive Engagement, Active
Engagement, and Discovery in Public Spaces},
year = {2012},
isbn = {9781450317924},
publisher = {Association for Computing Machinery},
address = {New York, NY, USA},
url = {https://doi.org/10.1145/2421076.2421086},
```

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doi = {10.1145/2421076.2421086},
abstract = {In their influential book "Public space" Carr et al. describe
essential human needs that public spaces fulfill: (1) passive engagement
with the environment, where we observe what others are doing; (2) active
engagement through intellectual challenges posed by the space, or through
engagement with the people in it; and (3) excitement of novel discoveries
within the space. An often underused resource in public spaces -- public
displays -- can be used to stimulate these needs. In this paper we argue for
a new research direction that explores how public displays can stimulate
such essential needs in public spaces. We describe and conceptualize related
processes that occur around public displays, based on in-depth observations
of people interacting with a publicly fielded display application in a city
center. Our conceptualization is meant to lay the foundations for designing
engaging public display systems that stimulate PACD, and for supporting the
analysis of existing deployments.},
booktitle = {Proceedings of the 4th Media Architecture Biennale Conference:
Participation},
pages = {55–64},
numpages = {10},
keywords = {identity cognition, urban informatics, public displays, public
space, community interaction, urban computing},
location = {Aarhus, Denmark},
series = {MAB '12}
}

@INPROCEEDINGS{Metsiritrakul2016,
  author={Metsiritrakul, Kawin and Puntavachirapan, Nuttapol and
Kobchaisawat, Thananop and Leelhapantu, Sangsan and Chalidabhongse, Thanarat
H.},
  booktitle={2016 13th International Joint Conference on Computer Science
and Software Engineering (JCSSE)},
  title={UP2U: Program for raising awareness of phubbing problem with
stimulating social interaction in public using augmented reality and
computer vision},
  year={2016},
  volume={},
  number={},
  pages={1-6},
  abstract={`UP2U' project has an objective to create awareness of phubbing
behavior in today society. `UP2U' is an interactive installation application
which is designed to be set up in an indoor waiting area. The system has an
objective to raises people awareness of their phubbing behavior and
encourage them to have more interpersonal communication with each other. It
was implemented using computer vision and augmented reality techniques. By
conducting the experiments in both the lab and the real indoor public
waiting area, we found the system demonstrates high accuracy of head
tracking, face direction estimation, and gender classification. Moreover,
the system has promising social impact to the phubbing society.},
  keywords={},
  doi={10.1109/JCSSE.2016.7748913},
  ISSN={},
```

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  month={July},
}

@MISC{Rabinowitz2006,
  AUTHOR       = {Phil Rabinowitz and Andrea Glinn},
  title        = "{Section 8. Creating Good Places for Interaction}",
  publisher    = "{Community toolbox}",
  url          =
"{https://ctb.ku.edu/en/table-of-contents/implement/physical-social-environm
ent/places-for-interaction/main}",
  year         = "{2006}",
  note         = "{Implementing Promising Community Interventions, chapter
26: Changing the physical and social environment}",
  address = "{[Accessed in April 2023]}",
}

@misc{Danlope2016,
  author={Isaac Danlope},
  title={The Role of Social Interactions in Social Psychology},
  year={2016},
  url =
{https://www.linkedin.com/pulse/role-social-interactions-psychology-isaac-da
nlope/},
  publisher = "{Linkedin}",
  address = "{[Accessed in April 2023]}",
}

@MISC{marshman2019,
  AUTHOR  = {Heidi Marshman},
  title   = "{Experience Design in Cities}",
  url     =
"{https://modus.medium.com/experience-design-in-cities-3-design-trends-that-
improve-connectivity-community-and-collaboration-7ddc57763ccf}",
  publisher = "{Modus by Medium}",
  year    = "{2019}",
  month   = "{September}",
  address = "{[Accessed in April 2023]}",
}

@MISC{Meineck2012,
  AUTHOR  = {Chloe Meineck},
  title   = "{Songboard London @ Kings Cross Station}",
  url     =
"{https://chloemeineck.wordpress.com/2012/07/31/songboard-london-kings-cross
-station/}",
  year    = "{2012}",
  category= "{social designer and inventor}",
  address = "{[Accessed in April 2023]}",
}

@MISC{Amazon2023,
```

```
  AUTHOR  = "{Amazon}",
  title   = "{Odoorgames Sand Painting Light Box for Kids}",
  url     =
"{https://www.amazon.com/Odoorgames-Painting-Light-Animation-Pink/dp/B0B6L5W
K51?th=1}",
  year    = "{2023}",
  note    = "{Photo reference}",
  category= "{Sand Art Kits for Kids | Sand Animation | Holiday & Birthday
Gifts for Boys & Girls | 16" (Pink)}",
  address = "{[Accessed in April 2023]}",
}

@MISC{Bosch2008,
  AUTHOR  = {Klaus Bosch},
  title   = "{Deep Sea Sand Art}",
  url     = "{https://www.uncommongoods.com/product/deep-sea-sand-art}",
  year    = "{2023}",
  purpose = "{Photo reference}",
  category= "{Kinetic sculpture}",
  publisher="{Uncommon goods}",
  note    ="{Long fascinated by science, the cosmos, and the stars,
"Sandman" Klaus Bosch creates interactive pictures based on the beauty that
can be found in the natural entropy of substances like sand. A talented
craftsman, his designs celebrate the idea of being part of the bigger
picture of the universe.}",
  address = "{[Accessed in April 2023]}",
}

@MISC{Driesmans2012,
  AUTHOR  = {Pierre Driesmans},
  title   = "{Jeux Anciens » Type » Big Games}",
  url     = "{https://www.jeuxanciens.be/type/biggames/page/2/?lang=en}",
  publisher="{Jeux Anciens}",
  year    = "{2012}",
  category= "{Games}",
  note    ="{This site allows you to discover entertainment on the theme of
games from another era.}",
  address = "{[Accessed in April 2023]}",
}

@MISC{Jewell2019,
  AUTHOR  = {Catherine Jewell},
  title   = "{With Teqball the world is curved}",
  journal = "{WIPO Magazine}",
  publisher="{WIPO World Intellectual Property Organisation}",
  year    = "{2019}",
  month   = "{August}",
  note    = "{Teqball, a new, ingeniously simple and fun ball game, is
taking the world of football by storm.}",
  url     =
"{https://www.wipo.int/wipo_magazine/en/2019/04/article_0005.html}",
```

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  address = "{[Accessed in April 2023]}",
}

@MISC{Moghangard2022,
  AUTHOR  = {Shayan Moghangard},
  title   = "{Teqball, a mashup of soccer and pingpong, aims for Olympic
status. Yes, you read that right.}",
  journal = "{Cronkite News}",
  publisher="{Cronkite News, Arizona PBS}",
  year    = "{2022}",
  month   = "{December}",
  url     =
"{https://cronkitenews.azpbs.org/2022/12/07/teqball-aims-olympic-status-mash
up-soccer-and-pingpong/}",
  address = "{[Accessed in April 2023]}",
}

@article{Zhang2022,
title = {Social Interaction in Public Spaces and Well-Being among Elderly
Women: Towards Age-Friendly Urban Environments},
pages = {1-14},
year = {2022},
month = {January},
doi = {10.3390/ijerph19020746},
url = {https://pubmed.ncbi.nlm.nih.gov/35055567/},
author = {Yingyi Zhang and Ge Chen and Yue He and Xinyue Jiang and Caiying
Xue},
publishor={MDPI},


keywords = {age-friendly; elderly women; public space; social interaction;
urban environment.},
abstract = {The world's population is aging and becoming more urbanized.
Public space in urban areas is vital for improving the health of the elderly
by stimulating social interaction. Many urban design projects are advertised
as age-friendly but ignore the real needs of the elderly, especially elderly
women, for social interaction in urban public spaces. Insufficient attention
is paid to the physical and psychological characteristics of elderly women
when shaping public space. This analysis addresses the question: What are
the qualities of urban spaces which facilitate health-improving social
interaction for elderly women? Methods include a case study in Beijing,
field investigation, mapping, and qualitative and quantitative analysis. The
survey was carried out in April 2021, and concerned 240 women aged 55-75
years. Results indicate that the social interactions of older women relate
to both their physical and psychological situations. Public spaces can
positively impact the psychological well-being and social participation of
elderly women. Conclusions include insights regarding the relationship
between social interaction and well-being among elderly women, as well as
proposing a series of principles for shaping public spaces for an age-
friendly urban environment.}
}
```

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@article{UrbanowiczandNyka2016,
title = {Media Architecture and Interactive Art Installations Stimulating Human Involvement and Activities in Public Spaces},
section = {Social Sciences},
volume = {4},
pages = {1-6},
year = {2016},
doi = {https://doi.org/10.12955/cbup.v4.819},
url = {https://ojs.journals.cz/index.php/CBUIC/article/view/819},
author = {Katarzyna Urbanowicz and Lucyna Nyka},
keywords = {interactive installations, media architecture, public space, social encounters},
abstract = {This paper examines the potential for media architecture and interactive art installations to stimulate human involvement and activities in public spaces. On the basis of theoretical approaches, case studies and interdisciplinary surveys, the paper provides insight into how screens projecting media and interactive installations in city spaces can inspire people to become active on many levels. The research is focused, both on temporary and permanent art installations, that support new technologies to encourage people to interact with art objects and become actors in an urban performance. Media and interactive art can positively contribute to the urban landscape, foster public involvement, increase intensity of public life, and effectively enhance the identity of urban communities. The paper shows that, despite this potential for media architecture and interactive art projects, specific pre-conditions are needed for their success in urban environments. The paper focuses on the convergence of scale between the intervention itself and the assumed urban strategy, as well as on the time allowed for individual perception and active participation of people in the particular urban art scenario. As the research shows, the promotion of art pieces, through guided tours of the city, tends to reduce the perception of the installations themselves and almost excludes social interactions. Thus, while not so spectacular in scale, image, or number of visits, modest interventions that involve locals and allow time for relationship building between people, could be most effective in reaching urban renewal objectives.}
}

@article{Peters2010,
title = {Social interactions in urban parks: Stimulating social cohesion?},
journal = {Urban Forestry & Urban Greening},
volume = {9},
number = {2},
pages = {93-100},
year = {2010},
note = {Special section on "Forest recreation and nature tourism"},
issn = {1618-8667},
doi = {https://doi.org/10.1016/j.ufug.2009.11.003},
url = {https://www.sciencedirect.com/science/article/pii/S1618866709000855},
author = {Karin Peters and Birgit Elands and Arjen Buijs},
keywords = {Green areas, Nature, Non-Western immigrants, Recreational use},
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abstract = {People from all ethnic backgrounds spend some of their leisure time in green areas. This study found that urban parks are more inclusive green places than non-urban green areas, and that urban parks can promote social cohesion. The objective of the research was to establish the extent to which urban parks facilitate social cohesion and how social interaction and place attachment can contribute to such cohesion. Quantitative research (a survey) and qualitative research (observations and interviews) carried out in five urban parks in the Netherlands revealed that there are many similarities in the ways that ethnic groups use urban parks and in the meanings of such parks to these groups. Urban parks are sites where different ethnic groups mingle and where informal and cursory interactions can stimulate social cohesion. Furthermore, being involved and concerned with parks can facilitate attachment to these places. Urban parks can provide a vital locality where everyday experiences are shared and negotiated with a variety of people. The design of a park, its location and people's image of the park in combination with the cultural characteristics of various ethnic groups inform the opportunities for intercultural interactions.}
}

@misc{UCLA2023,
  author       = {UCLA},
  title        = {The title of the work},
  howpublished = {website},
  month        = 7,
  year accessed= {2023},
  note         = {An optional note}
  url          = {https://www.sustain.ucla.edu/what-is-sustainability/},
  Description  = {Sustainability at UCLA brings together a community of students, faculty, and staff},
}
@MISC{EauPotable2023,
  AUTHOR  = {EauPotable.info},
  title   = "{Water springs and drinking fountains in Portugal}",
  url     = "{https://eaupotable.info/en/pt-portugal}",
  year    = "{2023}",
  year started="{2009}",
  purpose = "{Informative website}",
  category= "{Drinking water information}",
  publisher="{EauPotable.info}",
  note    ="{On EauPotable.info, we localize natural drinking water springs and public fountains where access is free. This website is useful for walkers, cyclists and visitors who want to fill their water bottles during their trip. EauPotable.info relies on contributions from visitors. If you know of a spring or a fountain that is not listed here, you can submit a water place.}",
  address = "{[Accessed in March 2023]}",
}

@MISC{Veyrenc2020,
  AUTHOR  = {Marie Veyrenc},
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  title   = "{La carte des fontaines à eau potable en France !}",
  url     =
"{https://www.castalie.com/fontaine-et-eau/carte-des-fontaines-a-eau-publiques-en-france/}",
  year    = "{2020}",
  month   = "{September}",
  purpose = "{Informative website}",
  category= "{Drinking water information}",
  publisher="{Castalie}",
  note    ="{Notre mission : Donner accès à une eau de qualité, bonne pour vous et pour la planète. Depuis 2 générations seulement, nous consommons de l'eau en bouteille, transportée en camion sur des centaines de kilomètres. CASTALIE offre une solution de substitution dans le monde professionnel pour que boire de l'eau ne soit plus commandé par accoutumance ou facilité.}",
  address = "{[Accessed in March 2023]}",
}

@MISC{Hauspie2023,
  AUTHOR  = {Lahore Hauspie},
  title   = "{EPS}",
  url     = "{https://www.pinterest.com/lahorestafany/eps/}",
  year    = "{2023}",
  month   = "{March}",
  purpose = "{Pinterest board}",
  category= "{Inspiration and existing examples of water fountains}",
  publisher="{Pinterest}",
  note    ="{This board was created to find out what exists already in relation to drinking-water fountains and alternatives to drinking-water fountains. It also acts as inspiration for our project by looking what is all possible.}",
  address = "{[Accessed in March 2023]}",
}

@MISC{Patrick2022,
  AUTHOR  = {Patrickbfree},
  title   = "{Viral tic tac toe football wall}",
  url     = "{https://www.youtube.com/watch?v=Sc0fsLP-Bpc}",
  year    = "{2022}",
  purpose = "{Video reference}",
  category= "{Posted video}",
  publisher="{Youtube}",
  note    ="{This video was watched to help us understand how this sport is played and what the installation looks like.}",
  address = "{[Accessed in March 2023]}",
}

@MISC{Lahore2023,
  AUTHOR  = {Lahore Hauspie},
  titleroom = "{Lahore's room}",
  titleboard= "{Encouraging interaction}",
  url     =
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"{https://app.mural.co/t/productontwikkeling1170/m/productontwikkeling1170/1
678042137306/418dd63b92c0b5220c2e0ea880bc2f18a02b13d1?sender=ub41d0f2680f455
42c1a19253}",
  year    = "{2023}",
  purpose = "{Mural board for displaying research}",
  category= "{Mural board}",
  publisher= "{Mural}",
  note    = "{This mural board was created to create an overview of the
research done concerning 'stimulating social interaction'}",
  address = "{[Accessed in March 2023]}",
}
@MISC{ERI2023,
  AUTHOR  = {Economic Research Institute},
  title   = "{Web Designer Salary in Portugal}",
  url     = "{https://www.erieri.com/salary/job/web-
designer/portugal#:~:text=Salary%20Recap-
,The%20average%20pay%20for%20a%20Web%20Designer%20is%20%E2%82%AC37%2C468,%E2
%82%AC26%2C340%20and%20%E2%82%AC45%2C486.}",
  year    = "{2023}",
  month   = "{April}",
  purpose = "{Informative website}",
  category= "{Salary of web designers in Porto}",
  publisher="{Economic Research institute}",
  address = "{[Accessed in April 2023]}",
}
@MISC{Payscale2023,
  AUTHOR  = {Payscale},
  title   = "{Average Graphic Designer Salary in Portugal}",
  url     =
"{https://www.payscale.com/research/PT/Job=Graphic_Designer/Hourly_Rate}",
  year    = "{2023}",
  month   = "{April}",
  purpose = "{Informative website}",
  category= "{Salary of graphic designers in Porto}",
  publisher="{Payscale}",
  address = "{[Accessed in April 2023]}",
}
@MISC{Macrotrends2023,
  AUTHOR  = {Macrotrends},
  title   = "{Porto, Portugal Metro Area Population 1950-2023}",
  url     =
"{https://www.macrotrends.net/cities/22168/porto/population#:~:text=The%20cu
rrent%20metro%20area%20population,a%200.23%25%20increase%20from%202020.}",
  year    = "{2023}",
  purpose = "{Informative website}",
  category= "{Porto city population}",
  publisher="{Macrotrends}",
  address = "{[Accessed in April 2023]}",
}
@article{EU20141,
title = "Electromagnetic Compatibility (EMC) Directive",
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author = "European Commission",
url =
"https://ec.europa.eu/growth/sectors/electrical-engineering/emc-directive/",
year    = "{2014}",
address = "{[Accessed in April 2023]}"
}
@article{EU20142,
title = "The Low Voltage Directive (LVD)",
author = "European Commission",
url =
"https://ec.europa.eu/growth/sectors/electrical-engineering/lvd-directive/",
year    = "{2014}",
address = "{[Accessed in April 2023]}"
}
@article{EU20143,
title = "{Radio Equipment Directive (RED)}",
author = "{European Commission}",
url =
"{https://ec.europa.eu/growth/sectors/electrical-engineering/red-directive_en}",
year    = "{2014}",
address = "{[Accessed in April 2023]}"
}
@book{des2012environmental,
  title={Environmental ethics},
  author={Des Jardins, Joseph R},
  year={2012},
  publisher={Cengage Learning}
}
@article{marketingethics,
    title = "Ethics in Sales and Marketing: Key Advantages",
    journal = "Marketing Mastermind",
    volume = "17",
    pages = "53-58",
    year = "2020",
    url = "https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3764324",
    author = "Pankaj M. Madhani",
    keywords = "Sales, Marketing, Ethics, Unethical practices, Customer
satisfaction, Competitive advantage",
    abstract = "Sales and marketing ethics systematically examines marketing
variables related to 4Ps of marketing (or marketing mix) - issues such as
unsafe products, deceptive pricing, discrimination in distribution and
deceptive advertising. Unethical sales and marketing activity causes various
problems for organizations such as lack of customer trust, spoiled customer
relationships, declined customer retention, and reduced sales. Organizations
that maintain relationships with customers on the premises of trust, ethics,
and integrity will have a competitive advantage over those that do not.
Ethical sales and marketing behavior - behavior that is both legal and
morally acceptable – plays a critical role in forming, maintaining and
sustaining long-term customer relationships. Ethical sales and marketing
practices play a significant role in enhancing financial performance of the
```

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organization and its valuation. Sales and marketing ethics strengthen long-
term viability of the organizations and build competitive advantages.
}
@incollection{barry2015engineering,
  title={Engineering ethics},
  author={Barry, Brock E and Herkert, Joseph R},
  booktitle={Cambridge handbook of engineering education research},
  pages={673--692},
  year={2015},
  publisher={Cambridge University Press}
}
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