

| URL                                                                                                                                                                                                                                   | TITLE                                 | ABSTRACT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | AUTHORS                              | PUBLICATION                           | DATE | TYPE         | DOI | ISBN          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------|------|--------------|-----|---------------|
| <a href="http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amp;arnumber=7059575&amp;contentType=Books+%26+eBooks">http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amp;arnumber=7059575&amp;contentType=Books+%26+eBooks</a> | Appendix D:<br>The Parts of a Bicycle | <p>&lt;P&gt;The bicycle ranks as one of the most enduring, most widely used vehicles in the world, with more than a billion produced during almost two hundred years of cycling history. This book offers an authoritative and comprehensive account of the bicycle's technical and historical evolution, from the earliest velocipedes (invented to fill the need for horseless transport during a shortage of oats) to modern racing bikes, mountain bikes, and recumbents. It traces the bicycle's development in terms of materials, ergonomics, and vehicle physics, as carried out by inventors, entrepreneurs, and manufacturers.&lt;/P&gt;&lt;P&gt;Written by two leading bicycle historians and generously illustrated with historic drawings, designs, and photographs, &lt;l&gt;Bicycle Design&lt;/l&gt; describes the key stages in the evolution of the bicycle, beginning with the counterintuitive idea of balancing on two wheels in line, through the development of tension-spoked wheels, indirect drives (employing levers, pulleys, chains, and c ainwheels), and pneumatic tires. The authors examine the further development of the bicycle for such specific purposes as racing, portability, and all-terrain use; and they describe the evolution of bicycle components including seats, transmission, brakes, lights (at first candle-based), and carriers (racks, panniers, saddlebags, child seats, and sidecars). They consider not only commercially successful designs but also commercial failures that pointed the way to future technological developments. And they debunk some myths about bicycles -- for example, the</p> | Tony Hadland;<br>Hans-Erhard Lessing | Bicycle Design:An Illustrated History | 2014 | Book chapter |     | 9780262322218 |

|                                                                                                           |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |                                            |      |                        |                          |                            |
|-----------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------|------|------------------------|--------------------------|----------------------------|
| http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=979713&contentType=Conference+Publications | SIDECAR design support for reliability | <div style="font-variant: small-caps; font-size: .9em;">First Page of the Article</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | C. R. Yount;<br>D. P. Siewiorek | 28th ACM/IEEE Design Automation Conference | 1991 | Conference publication | 10.1145/127601.127664    | New-2005_POD_0-89791-395-7 |
| http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=5406314&contentType=Journals+%26+Magazines | Woe Is the Dangling Phrase [People]    | The professor is not without apprehension as she submits to you a lesson from her somewhat strange and estranged sister who is a pseudoexpatriate living it up in Paris. Her name is Dr. Grammatica (the ninny changed her name because of an argument with your esteemed professor over commas); she rides a motorcycle with a sidecar, owns a parrot named Mrs. Wiggins (the parrot often rides in the sidecar), prefers to watch rugby rather than American football, never smokes because it upsets the parrot, and makes many trips each year to London to visit her favorite pub, The Coughing Pig. She has a Ph.D. degree in linguistics from Oxford, but for some reason prefers not to speak of it. To some extent, she shuns what she considers the haughtiness of the English (she's been tainted by the French point of view), and she is especially contemptuous of her highly regarded sister, your own Prof. Grammar. |                                 | IEEE Solid-State Circuits Magazine         | 2010 | Journal article        | 10.1109/MSSC.2009.935281 |                            |

|                                                                                                                                                                                                                                       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                                       |      |              |  |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------|------|--------------|--|---------------|
| <a href="http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amp;arnumber=7059549&amp;contentType=Books+%26+eBooks">http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amp;arnumber=7059549&amp;contentType=Books+%26+eBooks</a> | Index | <p>&lt;P&gt;The bicycle ranks as one of the most enduring, most widely used vehicles in the world, with more than a billion produced during almost two hundred years of cycling history. This book offers an authoritative and comprehensive account of the bicycle's technical and historical evolution, from the earliest velocipedes (invented to fill the need for horseless transport during a shortage of oats) to modern racing bikes, mountain bikes, and recumbents. It traces the bicycle's development in terms of materials, ergonomics, and vehicle physics, as carried out by inventors, entrepreneurs, and manufacturers.&lt;/P&gt;&lt;P&gt;Written by two leading bicycle historians and generously illustrated with historic drawings, designs, and photographs, &lt;l&gt;Bicycle Design&lt;/l&gt; describes the key stages in the evolution of the bicycle, beginning with the counterintuitive idea of balancing on two wheels in line, through the development of tension-spoked wheels, indirect drives (employing levers, pulleys, chains, and c ainwheels), and pneumatic tires. The authors examine the further development of the bicycle for such specific purposes as racing, portability, and all-terrain use; and they describe the evolution of bicycle components including seats, transmission, brakes, lights (at first candle-based), and carriers (racks, panniers, saddlebags, child seats, and sidecars). They consider not only commercially successful designs but also commercial failures that pointed the way to future technological developments. And they debunk some myths about bicycles -- for example, the</p> | Tony Hadland; Hans-Erhard Lessing | Bicycle Design:An Illustrated History | 2014 | Book chapter |  | 9780262322218 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------|------|--------------|--|---------------|

|                                                                                                                                                                                                                                                     |                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                              |                                                 |      |                        |                             |                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------|------------------------|-----------------------------|----------------------------|
| <a href="http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amp;arnumber=1694057&amp;contentType=Conference+Publications">http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amp;arnumber=1694057&amp;contentType=Conference+Publications</a> | Large format HgCdTe arrays for the James Webb Space Telescope | The near infrared spectrograph (NIRSpec) will be the James Webb Space Telescope's (JWSTs) primary near-infrared spectrograph. NIRSpec is a multi-object spectrograph with fixed-slit and integral field modes. EADS/Astrium is building NIRSpec for the European Space Agency (ESA), with NASA providing the detector subsystem and programmable multi-aperture mask. In this presentation we present an overview of the detector subsystem (DS) | B. Mott; T. Boker; C. Cabelli; G. De Marchi; P. Ferruit; J. Garnett; R. J. Hill; M. Loose; B. J. Rauscher; M. W. Regan; A. Waczynski; Yiting Wen; S. Wong; M. Zandian; D. Alexander; C. K. Brambora; R. Derro; C. Dunn; T. Ellis; M. B. Garrison; B. Howe; P. Jakobsen; T. E. Johnson; M. Jurado; G. Lee; S. S. Manthripraga | 2006 Digest of the LEOS Summer Topical Meetings | 2006 | Conference publication | 10.1109/LEOSST.2006.1694057 | New-2005_POD_1-4244-0090-2 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------|------------------------|-----------------------------|----------------------------|

|                                                                                                                                                                                                                                       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                                       |      |              |  |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------|------|--------------|--|---------------|
| <a href="http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amp;arnumber=7059576&amp;contentType=Books+%26+eBooks">http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amp;arnumber=7059576&amp;contentType=Books+%26+eBooks</a> | References | <p>&lt;P&gt;The bicycle ranks as one of the most enduring, most widely used vehicles in the world, with more than a billion produced during almost two hundred years of cycling history. This book offers an authoritative and comprehensive account of the bicycle's technical and historical evolution, from the earliest velocipedes (invented to fill the need for horseless transport during a shortage of oats) to modern racing bikes, mountain bikes, and recumbents. It traces the bicycle's development in terms of materials, ergonomics, and vehicle physics, as carried out by inventors, entrepreneurs, and manufacturers.&lt;/P&gt;&lt;P&gt;Written by two leading bicycle historians and generously illustrated with historic drawings, designs, and photographs, &lt;l&gt;Bicycle Design&lt;/l&gt; describes the key stages in the evolution of the bicycle, beginning with the counterintuitive idea of balancing on two wheels in line, through the development of tension-spoked wheels, indirect drives (employing levers, pulleys, chains, and c ainwheels), and pneumatic tires. The authors examine the further development of the bicycle for such specific purposes as racing, portability, and all-terrain use; and they describe the evolution of bicycle components including seats, transmission, brakes, lights (at first candle-based), and carriers (racks, panniers, saddlebags, child seats, and sidecars). They consider not only commercially successful designs but also commercial failures that pointed the way to future technological developments. And they debunk some myths about bicycles -- for example, the</p> | Tony Hadland; Hans-Erhard Lessing | Bicycle Design:An Illustrated History | 2014 | Book chapter |  | 9780262322218 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------|------|--------------|--|---------------|

|                                                                                                                                                                                                                                       |         |                                                                                                                                                                                                                                                            |                                   |                                       |      |              |  |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------|------|--------------|--|---------------|
| <a href="http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amp;arnumber=7059609&amp;contentType=Books+%26+eBooks">http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amp;arnumber=7059609&amp;contentType=Books+%26+eBooks</a> | Luggage | This chapter contains sections titled: Simple Horizontal Rear Racks, Beam Racks, Front Racks, Fittings For Sports Equipment, Panniers, Baskets, Saddlebags, Handlebar Bags, Rack-Mounted Holdalls, Tool Bags, Child Seats, Sidecars, Trailers, Cargo Bikes | Tony Hadland; Hans-Erhard Lessing | Bicycle Design:An Illustrated History | 2014 | Book chapter |  | 9780262322218 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------|------|--------------|--|---------------|