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<https://www.oguchi-rd.com/> <7/9/23>

<https://www.oguchi-rd.com/index.php> <11/29/23>

https://www.oguchi-rd.com/index_eng.php <12/30/25>

https://www.oguchi-rd.com/index_jap.php <12/30/25>

<https://www.oguchi-rd.com/career.php> <12/7/25>

https://www.oguchi-rd.com/career_j.php <12/7/25>

<https://www.oguchi-rd.com/patents.php> <11/23/23>

https://www.oguchi-rd.com/patents_j.php <11/23/23>

<https://www.oguchi-rd.com/publications.php> <1/24/26>

https://www.oguchi-rd.com/publications_j.php <1/24/26>

<https://www.oguchi-rd.com/technology.php> <11/23/23>

https://www.oguchi-rd.com/technology_j.php <11/23/23>

<https://www.oguchi-rd.com/LSI%20products.php> <5/28/26>

https://www.oguchi-rd.com/LSI%20products2_j.php <5/28/26>

<https://www.oguchi-rd.com/hobbies.php> <10/18/25>

https://www.oguchi-rd.com/hobbies_j.php <10/18/25>

<https://www.oguchi-rd.com/automobile.php> <1/31/26>

https://www.oguchi-rd.com/automobile_j.php <1/31/26>

<https://www.oguchi-rd.com/projects.php> <5/5/26>

https://www.oguchi-rd.com/projects_j.php <5/5/26>

<https://www.oguchi-rd.com/toys.php> <7/9/23>

https://www.oguchi-rd.com/toys_j.php <7/9/23>

<https://www.oguchi-rd.com/toys2.php> <7/9/23>

https://www.oguchi-rd.com/toys2_j.php <7/9/23>

<https://www.oguchi-rd.com/toys3.php> <11/23/23>

https://www.oguchi-rd.com/toys3_j.php <11/23/23>

<https://www.oguchi-rd.com/toys4.php> <7/9/23>

https://www.oguchi-rd.com/toys4_j.php <7/9/23>

<https://www.oguchi-rd.com/download2.php> <4/8/26>

https://www.oguchi-rd.com/download2_j.php <4/8/26>

<https://www.oguchi-rd.com/opinion.php> <11/23/23>

https://www.oguchi-rd.com/opinion_j.php <11/23/23>

<https://www.oguchi-rd.com/contact.php> <7/9/23>

https://www.oguchi-rd.com/contact_j.php <7/9/23>

<https://www.oguchi-rd.com/pdfs/Downloadable%20Files.pdf> <6/7/26>

<https://www.oguchi-rd.com/pdfs/HTTP%20Status%20Codes.pdf> <4/13/25>

Downloadable Files Embedded

- / Index
 - <https://www.oguchi-rd.com/pdfs/NEC%20In&Out.pdf> <6/13/25>
 - <https://www.oguchi-rd.com/pdfs/SanDisk.pdf> <6/13/25>
 - <https://www.oguchi-rd.com/pdfs/olivetti.pdf> <12/30/25>
 - https://www.oguchi-rd.com/pdfs/jeff_wise.pdf <6/13/25>
 - https://www.oguchi-rd.com/pdfs/7220_newspaper.pdf <6/13/25>
 - <https://www.oguchi-rd.com/Overseas%20Customer%20Visit/Overseas%20Customer%20Visit.pdf> <8/1/19>
 - https://www.oguchi-rd.com/pdfs/business_cards.pdf <7/4/10>
 - <https://www.oguchi-rd.com/pdfs/keith.pdf> <6/13/25>
 - <https://www.oguchi-rd.com/pdfs/latest.pdf> <6/13/25>
- Career
 - Abstract
 - <https://www.oguchi-rd.com/pdfs/Young%20Age.pdf> <6/13/25>
 - <https://www.oguchi-rd.com/pdfs/Aokou%20Freshman.pdf> <12/7/25>
 - <https://www.oguchi-rd.com/hobby/qsl.pdf> <6/4/10>
 - https://www.oguchi-rd.com/pdfs/Issyu_exam_result.pdf <6/13/25>
 - Patents
 - https://www.oguchi-rd.com/patents/pat_top_all.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/jpat_top_all.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/jpat_SH_top_all.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4071905_top.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4071905.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4356482_top.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4356482.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4459676_top.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4459676.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4491834_top.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4491834.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4545014_top.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4545014.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4570222_top.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4570222.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4870563_top.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4870563.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4878191_top.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4878191.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4943801_top.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_4943801.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_5018076_top.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_5018076.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_5196839_top.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_5196839.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_5222212_top.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_5222212.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_5285192_top.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/pat_5285192.pdf <6/4/10>
 - https://www.oguchi-rd.com/patents/jpat_01208814_top.pdf <6/4/10>

https://www.oguchi-rd.com/patents/jpat_01208814.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01262866_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01262866.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01343975_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01343975.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01360480_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01360480.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01387159_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01387159.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01402969_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01402969.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01544001_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01544001.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01613908_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01613908.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01640374_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01640374.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01668392_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01668392.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01683616_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_01683616.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_02062470_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_02062470.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_02067213_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_02067213.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S52-144931_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S52-144931.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S57-056885_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S57-056885.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S60-140423_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S60-140423.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S61-041183_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S61-041183.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S61-287098_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S61-287098.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S61-289442_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S61-289442.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S62-123576_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S62-123576.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S62-161190_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S62-161190.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S62-237522_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S62-237522.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S63-038983_top.pdf <6/4/10>

https://www.oguchi-rd.com/patents/jpat_S63-038983.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S64-038818_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_S64-038818.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_H04-363772_top.pdf <6/4/10>
https://www.oguchi-rd.com/patents/jpat_H04-363772.pdf <6/4/10>

Publications

https://www.oguchi-rd.com/ne_72120/ne_72120_all.pdf <12/11/23>
https://www.oguchi-rd.com/ne_7220/ne_7220_all.pdf <1/24/26>
https://www.oguchi-rd.com/ne_7220/ne_7220.pdf <1/24/26>
https://www.oguchi-rd.com/ne_7220/ne_7220_old.pdf <1/26/26>
https://www.oguchi-rd.com/ne_72120/ne_72120_all_en.pdf <12/11/23>
https://www.oguchi-rd.com/ne_72120/ne_72120.pdf <12/11/23>
<https://www.oguchi-rd.com/7220/Abstract%20History%20of%20GDC%20Development.pdf> <8/24/23>
https://www.oguchi-rd.com/72120/72120_evaluation_demo_source.pdf <6/15/25>
https://www.oguchi-rd.com/seminar/LSI%20Device_all.pdf <8/27/23>
https://www.oguchi-rd.com/tg_7220/TG_7220_all.pdf <12/11/23>
https://www.oguchi-rd.com/tg_7220a/TG_7220A_all.pdf <12/11/23>
<https://www.oguchi-rd.com/isscc/isscc.pdf> <12/11/23>
https://www.oguchi-rd.com/seminar/JIEC_all.pdf <8/27/23>
<https://www.oguchi-rd.com/Core%20Tech%20Training/Computer%20Graphics%201984.pdf> <8/14/19>
<https://www.oguchi-rd.com/Core%20Tech%20Training/Computer%20Graphics%201986.pdf> <8/30/24>
<https://www.oguchi-rd.com/7220/7220A%20User's%20Manual.pdf> <6/15/25>
<https://www.oguchi-rd.com/72120/72120%20Users%20Manual.pdf> <6/15/25>
https://www.oguchi-rd.com/top_100/top_100.pdf <5/2/20>
<https://www.oguchi-rd.com/455/455%20Datasheet.pdf> <1/15/24>
<https://www.oguchi-rd.com/456/456%20Datasheet.pdf> <1/15/24>
<https://www.oguchi-rd.com/456/460%20Datasheet.pdf> <9/27/23>
<https://www.oguchi-rd.com/457/457%20Demonstration.pdf> <6/14/25>
<https://www.oguchi-rd.com/457/Dolch's%20Color%20Flat%20Panel%20Portable%20PC.pdf> <6/14/25>
<https://www.oguchi-rd.com/457/Alcon%20Surgical%20Series%2020000.pdf> <12/7/23>
<https://www.oguchi-rd.com/457/82C457%20on%2082C9001A%20Data%20Sheet.pdf> <12/7/23>
<https://www.oguchi-rd.com/457/457%20Datasheet.pdf> <1/15/24>
<https://www.oguchi-rd.com/457/401%20Datasheet.pdf> <9/26/23>
<https://www.oguchi-rd.com/457/411%20Datasheet.pdf> <9/26/23>
<https://www.oguchi-rd.com/457/HD15319.pdf> <9/15/23>
<https://www.oguchi-rd.com/457/TC511665.pdf> <9/15/23>
<https://www.oguchi-rd.com/457/82C457%20TDL%20Netlist.pdf> <11/30/23>
<https://www.oguchi-rd.com/455%20456%20457/Development%20history%20of%2082C455,%2082C456,%20an>
https://www.oguchi-rd.com/455%20456%20457/Probing%20VGA_SVGA_XGA%20Video%20Signals.pdf
<https://www.oguchi-rd.com/455%20456%20457/FRC%20Evaluation%20Assembly%20Source%20Code.pdf>
<https://www.oguchi-rd.com/457/TC110G%20Macrocells%20on%2082C457.pdf> <6/14/25>
<https://www.oguchi-rd.com/455%20456%20457/Sharp%20640%20x%20480%20DD%20STN%20panel>

[d%2082C457.pdf](https://www.oguchi-rd.com/455%20456%20457/Development%20history%20of%2082C455,%2082C456,%20an) <6/14/25>

<6/14/25>

<6/14/25>

[%20specification.pdf](#) <10/3/23>
|
| <https://www.oguchi-rd.com/455%20456%20457/Sharp%20512%20Color%20TFT%20panel%20specification.pdf>
<10/3/23>
|
| <https://www.oguchi-rd.com/455%20456%20457/Toshiba%20CMOS%20Gate%20Array%20TC110G>
[%20specification.pdf](#) <10/11/23>
|
| https://www.oguchi-rd.com/ne_457/ne_82C457_all.pdf <4/22/23>
| <https://www.oguchi-rd.com/pdfs/ED%20072789.pdf> <6/24/15>
| <https://www.oguchi-rd.com/HD814102/Rev%202.0/HD814102%20Specification.pdf> <7/29/19>
| https://www.oguchi-rd.com/nec_ad/nec_ad.pdf <4/25/20>
| https://www.oguchi-rd.com/940/940_book.pdf <2/9/16>
Technology | https://www.oguchi-rd.com/technology/Bishamon_slide.pdf <7/4/10>
| <https://www.oguchi-rd.com/technology/nrzi.pdf> <7/4/10>
| <https://www.oguchi-rd.com/technology/crc16.pdf> <7/4/10>
| <https://www.oguchi-rd.com/technology/crc5.pdf> <7/4/10>
| https://www.oguchi-rd.com/technology/usb_sie_rx.pdf <7/4/10>
LSI Products | https://www.oguchi-rd.com/seminar/JIEC_all.pdf <8/27/23>
| <https://www.oguchi-rd.com/281%20282/281%20&%20282.pdf> <6/14/25>
| <https://www.oguchi-rd.com/940/940.pdf> <5/26/25>
| <https://www.oguchi-rd.com/UTF-8/UTF-8%20Code%20Map.pdf> <11/20/16>
| <https://www.oguchi-rd.com/schematics/logic/282/282%20Schematics.pdf> <9/18/22>
| https://www.oguchi-rd.com/Accomplishment/Projects/Die%20Photo%20by%20Hugin/%C2%B5PD282D_20x
[%20Micrograph.pdf](#) <10/9/23>
| <https://www.oguchi-rd.com/940/940%20Design%20Report.pdf> <6/15/25>
| <https://www.oguchi-rd.com/schematics/logic/940/940%20Schematics.pdf> <10/16/23>
| <https://www.oguchi-rd.com/schematics/mask%20layout/940/940%20mask%20layout.pdf> <10/16/23>
| https://www.oguchi-rd.com/Accomplishment/Projects/Die%20Photo%20by%20Hugin/%C2%B5PD941C_20x
[%20Micrograph.pdf](#) <10/9/23>
| <https://www.oguchi-rd.com/940/Comparison%20between%20%C2%B5PD940C%20&%20%C2%B5PD946C.pdf>
<6/15/25>
| https://www.oguchi-rd.com/Accomplishment/Projects/Die%20Photo%20by%20Hugin/%C2%B5PD946C_20x
[%20Micrograph.pdf](#) <10/9/23>
| <https://www.oguchi-rd.com/schematics/mask%20layout/1201%20Plot/1201%20Plot.pdf> <9/7/20>
| https://www.oguchi-rd.com/Accomplishment/Projects/Die%20Photo%20by%20Hugin/%C2%B5PD1201C_20x
[%20Micrograph.pdf](#) <10/9/23>
| <https://www.oguchi-rd.com/schematics/logic/1201/1201%20Schematics.pdf> <10/16/23>
| <https://www.oguchi-rd.com/schematics/mask%20layout/1201/1201%20mask%20layout.pdf> <10/16/23>
| <https://www.oguchi-rd.com/pdfs/olivetti.pdf> <9/25/15>
| <https://www.oguchi-rd.com/1205/1205%20Design%20Note.pdf> <6/15/25>
| https://www.oguchi-rd.com/Design%20Rules%204_4.4%20Micron%20Si-gate%20Design%20Rules.pdf
<7/14/20>
| https://www.oguchi-rd.com/Accomplishment/Projects/Die%20Photo%20by%20Hugin/%C2%B5PD777D_20x
[%20Micrograph.pdf](#) <10/9/23>
| <https://www.oguchi-rd.com/777/777%20Design%20Note.pdf> <12/13/25>
| https://www.oguchi-rd.com/777/ptnrom_mod_v.pdf <12/13/25>
| <https://www.oguchi-rd.com/schematics/logic/777/777%20Schematics.pdf> <2/14/24>

<https://www.oguchi-rd.com/777/TK-80.pdf> <6/14/25>
|
<https://www.oguchi-rd.com/schematics/mask%20layout/777%20Top/777%20mask%20layout%20top%20level.pdf> <10/16/23>
|
<https://www.oguchi-rd.com/7220/Abstract%20History%20of%20GDC%20Development.pdf> <6/15/25>
|
<https://www.oguchi-rd.com/pdfs/Future%20Tech%20Heritage%202016.pdf> <8/8/18>
|
<https://www.oguchi-rd.com/InfoWorld/InfoWorld%20Award.pdf> <12/17/24>
|
<https://www.oguchi-rd.com/schematics/evaluation/7220/Level%202%20Tester%20to%20Intel.pdf> <11/11/15>
|
https://www.oguchi-rd.com/Design%20Rules%203_125/3.125%20Micron%20Si-gate%20Design%20Rules.pdf
|
<7/17/20>
|
<https://www.oguchi-rd.com/schematics/logic/7220A/7220A%20Schematics.pdf> <10/16/23>
|
https://www.oguchi-rd.com/Accomplishment/Projects/Die%20Photo%20by%20Hugin/%C2%B5PD7220AD_20x%20Micrograph.pdf <10/9/23>
|
<https://www.oguchi-rd.com/7220/Actual%20Result%20of%207220%20and%207220A.pdf> <10/8/23>
|
<https://www.oguchi-rd.com/Overseas%20Customer%20Visit/Overseas%20Customer%20Visit.pdf> <5/29/25>
|
<https://www.oguchi-rd.com/72120/72120%20Paper%20Machine.pdf> <6/15/25>
|
https://www.oguchi-rd.com/72120/72120_design_source_material.pdf <6/15/25>
|
https://www.oguchi-rd.com/72120/72120_evaluation_demo_source.pdf <6/15/25>
|
<https://www.oguchi-rd.com/schematics/evaluation/72120/72120%20evaluation%20board.pdf> <11/11/15>
|
<https://www.oguchi-rd.com/schematics/evaluation/72120/41264%20Datasheet.pdf> <4/16/25>
|
https://www.oguchi-rd.com/Accomplishment/Projects/Die%20Photo%20by%20Hugin/%C2%B5PD72120L_20x%20Micrograph.pdf <10/9/23>
|
<https://www.oguchi-rd.com/777/Epoch%20Cassette%20Vision%20Cartridge.pdf> <6/14/25>
|
<https://www.oguchi-rd.com/777/Anatomy%20of%20Cassette%20Vision.pdf> <6/14/25>
|
<https://www.oguchi-rd.com/777/ROM%20Dump/Dump%20System%20Design/%C2%B5PD777%20On-chip%20ROM%20Code%20Dump%20System%20Design.pdf> <6/14/25>
|
<6/14/25>
|
<https://www.oguchi-rd.com/777/ROM%20Dump/Dump%20Pattern%20Creation/Dump%20Source%20Pattern.pdf>
|
https://www.oguchi-rd.com/777/ROM%20Dump/Dump%20Pattern%20Creation/rom_dump%20Source%20Code.pdf <6/14/25>
|
<6/14/25>
|
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Hobbies

Abstract

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8/2025	153.709 GB	3,373
7/2025	133.713 GB	3,357
6/2025	131.798 GB	3,004

tetsuji oguchi

Tetsuji Oguchi is a prominent Japanese semiconductor and software engineer who has made significant contributions to the development of early LSI (Large-Scale Integration) products and graphics display controllers.

Key highlights of his career include:

- Key Products:** He was a lead engineer involved in the development of several important microprocessors and graphics controllers, most notably the [NEC \$\mu\$ PD7220 Graphics Display Controller](#), which was highly acclaimed and became one of the industry's first dedicated graphics processors.
- Company Affiliations:** His work was primarily with NEC (Nippon Electric Corporation), where many of his masterpieces were developed under a technology exchange agreement with Intel in 1979.
- Publications and Seminars:** Oguchi has authored technical theses in popular electronics magazines in Japan, such as *Transistor Technology*, and his work has been the subject of technical seminars.
- Technical Expertise:** He possesses a broad range of experience spanning hardware and software, device physics, LSI testing, and marketing, advocating for an all-encompassing approach to product development (which he calls "silicon software").
- Gaming Preservation:** He collaborated with others in the retro gaming community to preserve the ROM dumps of every game for the Epoch Cassette Vision, a historic Japanese game console that achieved significant market success in the early 1980s.

Oguchi maintains a [personal website](#) where he details his professional history, publications, and various personal projects, including a custom calculator and unit converter tools.

6 sites

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