

b.l. pelton, slater, a. pelton proceedings of the 2nd int ... - smst'97: proceedings of the second international conference on shape memory and superelastic technologies asilomar conference center, pacific grove, california, usa, 1997 **the influence of melt practice on final fatigue properties ...** - components made of niti materials are typically designed to take advantage of the superelastic and shape memory characteristics that expose a majority of these components to cyclic fatigue. ... fatigue properties of ti-50.9at%ni shape memory wires. proceedings: smst-97, 1997, p. 473-477. 3. miyasaki, s., thermal and stress cycling ... **a new concept of monolithic shape memory alloy micro ...** - in developing devices with shape memory alloys (sma) actuators. except for research on micro-pumps and valves, the sma is only used mostly as ... smst'97, pacific grove, california, 2-6 mar 1997 ... **trepanier, leung, tabrizian, yahia, bienvenu, tanguay ...** - smst-97: proceedings of the smond international conference on shape memory and superelastic technologies asilomar conference center. pacific grove, california, usa, 1997 cl 1997 smst in vivo biocompatibility study of niti stents c. trepanier, t.k. leung, tabrizian, yahia, bienvenu, tanguay, **international conference on shape memory and superelastic ...** - isbn: 978-1-63439-319-5 international conference on shape memory and superelastic technologies (smst 2013) prague, czech republic 20-24 may 2013 **graphoepitaxial niti shape memory thin films on si** - graphoepitaxial niti shape memory thin films on si quanmin su, yun zheng, ... ni50ti50 shape memory alloy thin films have been the subject of great interest scientifically,1,2 and technologically ... 5a. d. johnson and v. v. martynov, smst-97, in proceedings of the **deformation evolution of superelastic niti shape memory ...** - shape memory alloy have been done in the past decades. it is found that the ... (smst'97), (asilomar, ca, 1997). 7. j.m. mcneaney and v. imbeni, an experimental study of the superelastic effect in a shape-memory nitinol alloy under biaxial loading, mech. mater., 35, 969 (2003). **medical uses of nitinol - research** - smst'94 (5), icomat-95 (6), c-j sma'97 (7), smst'97 (8), icomat-98 (9), and smm'99 (10), all describe advances in the shape-memory medical technology. it is also interesting to observe that with the proliferation of use of nitinol in medicine, the performance of the material and devices are now measured with novel characteristics (11). **effects of hydrogen on ni ti nb shape memory alloy** - effects of hydrogen on ni 47ti 44nb 9 shape memory alloy zhu yan, lishan cui, yanjun zheng, and tao liu ... the effects of hydrogen on the transformation behaviors of the near equiatomic ni 49.8ti 50.2 wires ... smst-97, pacific grove, ca, 1997, p 395-400. 2. k. yokoyama, k. hamada, k. moriyama, and k. asaoka, **degradation microstructure of melt-spinning high temperature shape ...** - high temperature shape memory alloys (htsmas) with phase transformation temperature above 373 k have wide applications in thermal actuators, relay and automotive, nuclear and heating industry, etc. [1]. as a promising candidate for htsmas, nitihf alloys have advantages of higher shape memory capabilities and lower cost. **t edp sciences, les ulis doi : 10. 1051/jp4 : 20031091 a ...** - shape memory drives allow easy control of the deployment process, obviating the need to install various kinds of dampers for shock suppression which are normally used with ordinary springs ... (smst-97), asilomar conference center, pacific grove, california 2-6 march 1997, a. r. pelton, d. hodgson, s. m. russel and t. duerig eds, (1997) pp.311-316. **alan r. pelton, ph.d. curriculum vitae - gstwv** - proceedings of shape memory and superelastic technologies 2000, edited by s. russell and a. r. pelton, smst, monterey, ca, 2000. proceedings of shape memory and superelastic technologies 97, edited by a.r. pelton, **in situ tem observations of martensite-austenite ...** - it is well known that the shape memory effect results from the reversible martensitic transformation in shape memory alloys (smas). therefore, the understanding ... cederstrom, in proc. smst-97, pacific grove, california, 1997, p. 89. received 3 september 1999 and accepted 17 january 2000 1386. **shape memory superelastic technologies - willkommen** - lasermicromachining and predictive modeling for shape-setting of nitinol 69 arash golafshan1, ryan wilson2, jared speltz2, andahsan mian2 (1) wright state university

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