


33. Invited by Los Angeles ASM Chapter to speak at their monthly meeting on "Large Aluminum Castings and Ti Alloys for Commercial Aircraft Structures," Sept. 9, 1980


68. Invited to participate in a roundtable discussion at the Los Angeles Chapter of ASM, "Roundtable: Titanium and its Future in a Composite World," Nov. 11, 1986 - my portion - "Titanium as an ally to Composite Structures"


74. G.R. Yoder, S.J. Gill and R.R. Boyer, "Comparison of Notched Fatigue Life in Ti-10V-2Fe-3Al with Ti-6Al-4V", Presented at the 28th Structures, Structural Dynamics and

75. R.R. Boyer, "Boeing PM Overview", invited presentation at the Air Force sponsored Titanium Powder Metallurgy Workshop at the Stouffer Dayton Plaza Hotel, 10/21-10/22/87


86. R.R. Boyer, "Powder Metallurgy of Ti-10V-2Fe-3Al", Presented at the Puget Sound Chapter of ASMI, Seattle, WA, Nov. 8, 1988


90. Spring '89 - Editor for ASM Titanium Handbook


92. G.R. Yoder, R.R. Boyer and L.A. Cooley, "Corrosion-Fatigue of Ti-10V-2Fe-3Al", ibid., pp 1741-1746 (See also 87)


96. Invited as keynote speaker at a meeting of the Titanium Research Committee of the Iron and Steel Institute of Japan, March 26, 1990 at the Research Center for Advanced Science and Technology at Tokyo University. Subject: "The Application of Beta Titanium Alloys to the Aerospace Industries". Also made three presentations on "Titanium Applications in Commercial Airplanes" at Nippon Steel Yawata and Hikari Works and their Central Research Laboratory in Tokyo.


100. R.R. Boyer, W.J. Porter, E.R. Barta, and D. Eylon, "Microstructure/Properties Relationships in Ti-15V-3Cr-3Al-3Sn High Strength Castings," ibid

101. Presented a titanium, steel and fastener short course to the 777 weights engineers to guide them toward weight savings.

102. R.R. Boyer, "Titanium Applications on Commercial Aircraft", Oremet Annual Sales Conference, Kah-Nee-Ta, OR, 10/9/91


106. R.R. Boyer, "New Titanium Applications on the Boeing 777", a seminar at the University of Idaho, 4/6/92


115. R.R. Boyer, "Applications of Beta Titanium Alloys in Airframes," ibid


118. R.R. Boyer, "Applications of Beta Titanium Alloys in Airframes," ibid, 335-346


165. R.R. Boyer, “The High Speed Civil Transport (HSCT),” presented at the San Jose Chapter of ASM, April 15, 1998


172. R.R. Boyer, J.C. Williams and N.E. Paton, “Evolving Aerospace Applications for Ti Alloys,” Invited Keynote Presentation at the 9th World Conference on Titanium, St. Petersburg, Russia, June 7-11, 1999

173. Presented, for John Fanning, "Ballistic Evaluation of TIMETAL®6-4 Plate for Protection Against Armor Piercing Ammunition," ibid.

174. Presented, for Martin G.H. Wells, Matthew Burkins, Brian Pothier, Brij Roopchand and John Fanning, "The MECHANICAL and BALLISTIC PROPERTIES of an ELECTRON BEAM SINGLE MELT of Ti-6Al-4V PLATE," ibid.


185. Rod Boyer, "Materials and Trends on Boeing Aircraft," presented to the Milwaukee Chapter of ASM, Milwaukee, WI, 10/17/00


Chellman, “Plastic Flow and Microstructure Evolution During Thermomechanical Processing of
1801-1811

at the Technical University of Hamburg-Harburg, July 27, 2001

Alloys,” Titanium ’99, Prometey, I.V. Gorynin and S.S. Ushkov, eds., St. Petersburg, Russia,
2000, pp. 1007 to 1016

Chapter, October 16, 2001

presented at Government/Industry (TICAS) Workshop on Issues Impacting Further
Implementation of Aluminum and Titanium Investment Castings for Airframe Structures,
Charleston, VA, February 11-12, 2002.


and G. Zhang, “Cost-Effective Synthesis, Processing and Applications of Lightweight Metallic

and G. Zhang, “Cost-Effective Synthesis, Processing and Applications of Lightweight Metallic
Materials,” High Performance Materials for Cost Sensitive Applications, TMS, Warrendale, PA,
2002, pp 3-18

196. High Performance Materials for Cost Sensitive Applications, eds., F.H. (Sam) Froes, E.
Warrendale, PA, 2002

197. R.R. Boyer, "Materials Technologies and Trends on Boeing Aircraft," presented to the Oak
Ridge ASM Chapter, Oak Ridge, TN, Sept. 19, 2002

198. R.R. Boyer, Lecture at University of Washington on Materials Technologies in the
Aerospace Industry to a Junior class of non-materials engineers, Oct. 15, 2002

200. R.R. Boyer, "Materials Technologies and Trends on Boeing Aircraft," presented to the Columbus, Ohio ASM Chapter, Columbus, OH, March 26, 2003


213. R. Boyer, "Materials Technologies and Trends on Boeing Aircraft," presented to the Canton-Massillon Chapter of ASM (Canton, OH), April 14, 2004


218. J.C. Fanning and R.R. Boyer, “Properties of TIMETAL 555 – A New Near-Beta Titanium Alloy for Airframe Applications,” ibid, 2643-2650


225. R. Boyer and A.G. Miller, "The Boeing 7E7 Dreamliner: A New Airplane for a New World," presented to a joint meeting of the Milwaukee ASM Chapter and EAA Chapter 838, Racine, WI, Jan. 11, 2005


230. R.R. Boyer, “Materials Technologies and Trends on Boeing Aircraft,” presented to the Cleveland Chapter of ASM, Materials Park, Ohio, May 9, 2005


235. R.R. Boyer, lecture at the University of Washington to Junior MSE class on Aerospace Materials, Oct. 19, 2005


281. V. Venkatesh and R.R. Boyer, “Recent Advances in Titanium Technology in the USA,” Plenary presentation at the 13th World Conference on Titanium 2015, Aug. 16-20, 2015, San Diego, CA
290. F. Froes, R. Boyer and B. Dutta, “Introduction to aerospace materials requirements and the role of additive manufacturing”, ibid., pp 1-6

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